Nursing 21 Nursing the Ill Adult I
Prerequisites: NUR 17, 18
Pre or Co-requisite: BIO 51
NOTE: BIO 51 must be taken before or with NUR 21.
Nursing students cannot continue in NUR 21 if they withdraw from BIO 51.

Catalog Description

Nursing the adult client with common recurring health problems includes nursing interventions based on physiological and psychological needs of adult patients. Laboratory sessions are on campus and in hospitals or other health agencies.

Course Overview

This course is designed to build on concepts, facts, principles, and experiences presented in Fundamentals of Nursing: Man as a Holistic Being. Maslow’s Hierarchy of Needs, the health-illness continuum, and the nursing process. It focuses on nursing the adult client with Acute/Chronic Health Alterations, in the areas of immune, respiratory, cardiovascular, endocrine/metabolic, gastrointestinal, integumentary, musculoskeletal and renal/urinary disorders. Classroom instruction and laboratory sessions, at the college, in the community and in selected health agencies, are held weekly throughout the semester. During the college laboratory, concepts and principles discussed in previous classes are used as the basis for performing therapeutic nursing interventions. The community and other health agency experiences are utilized to extend learning. Each clinical experience is preceded and followed by a conference where the objectives for that learning experience are discussed and evaluated. Individual and group assignments are utilized for laboratory experiences. Class work for the typical week consists of: five (5) hours of classroom instruction, three (3) hours of college laboratory/simulation and eleven (8) hours of community and health agency experiences. It is essential for students to engage in additional practice for further development of skills. Provisions are available for additional time in the college laboratory for practice.

<table>
<thead>
<tr>
<th>Course Level Student Learning Outcomes</th>
<th>Assessment Measures</th>
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<tbody>
<tr>
<td>Upon completion of this course students will:</td>
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<td>1. Integrate knowledge and skills from the biological, physical and sciences in caring for the adult client experiencing acute and chronic health alterations.</td>
<td>Students will successfully perform (75%) on course exams which will include imbedded questions that test students understanding of the biological, physical and behavioral sciences. Item analysis of all exam questions will evaluate the results. Students will successfully apply this knowledge in both clinical and simulation, as identified in the skills check list and clinical evaluation tool.</td>
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<td>2. Incorporate knowledge of the client’s culture in caring for the adult client</td>
<td>Students will successfully perform (75%) on course exams which will include imbedded questions that test students understanding of cultural differences. Item analysis of all exam questions will evaluate the results. Students will formulate and submit a satisfactory, comprehensive nursing plan of care that addresses a client’s culture. Students will apply the nursing process, addressing culture, to the care of adult clients in the clinical setting identified in the clinical evaluation tool. Students will successfully design a teaching plan, incorporation cultural differences and present it in the clinical setting following the guidelines of the Teaching Plan.</td>
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<td>3. Analyze &amp; incorporate adaptive responses of adult clients experiencing acute and chronic health alterations.</td>
<td>Student performance will be evaluated using the NCP which will reflect knowledge of adaptive responses. Students will successfully incorporate adaptive responses in both clinical and simulation, as identified in the skill check list, clinical competency evaluation tool.</td>
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<td>4. Use critical thinking skills in the application of the nursing process.</td>
<td>Students will successfully perform (75%) on course exams which will include imbedded questions that test students critical thinking skills. Item analysis of all exam questions will evaluate the results.</td>
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<td>5.</td>
<td>Apply the nursing process in caring for the adult client</td>
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<td>6.</td>
<td>Participate actively and effectively in discussions with adult clients and health team members.</td>
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<td>7.</td>
<td>Practice within legal regulations and ethical guidelines of nursing practice</td>
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<td>8.</td>
<td>Apply principles of safety in the clinical agency when caring for the adult client.</td>
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<td>9.</td>
<td>Demonstrate competencies in performing therapeutic psychomotor nursing interventions</td>
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<td>10.</td>
<td>Administer &amp; explain the effects of medications for clients experiencing acute and chronic health alterations</td>
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<td>11.</td>
<td>Use teaching learning principles when teaching adult clients in the clinical setting.</td>
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<td>12.</td>
<td>Choose appropriate community resources for adult clients</td>
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13. Formulate a comprehensive plan of care for the adult client Students will develop a NCP that includes all components of the nursing process as identified within the guidelines of the grading rubric

**Topical Outline**

**Unit I** - Orientation to Nursing Care of the Ill Adult I

**Unit II** - Assessment & Management of the client who has a Fluid and Electrolyte Imbalance

**Unit III** - Assessment & Management of the client who has a Respiratory Disorder

**Unit IV** - Assessment & Management of the client who has a Cardiovascular Disorder

**Unit V** - Assessment & Management of the client who has a Gastrointestinal Disorder

**Unit VI** - Assessment & Management of the Perioperative Client

**Unit VII** - Assessment & Management of the client who has a Metabolic/Endocrine Disorder

**Unit VIII** - Assessment & Management of the client who has a Genitourinary Disorder

**Unit IX** - Assessment & Management of the client who has an Immune Response Disorder

**Unit X** - Assessment & Management of the client who has an Integumentary and Muscular Skeletal Disorder

**Teaching Strategies**

Lecture Discussion

Simulated Laboratory Experiences

Demonstration/Return Demonstration

Case Studies

Multimedia

Computer Assisted Instruction

Pre and Post Conference

Health Agency Experiences

Community Experiences
NUR 21

Course Requirements

1. Textbooks

Course required textbooks:


Program required textbooks:


Optional References


2. Attendance

Complete participation in class is possible only when students are able to focus attention on the class, therefore entering class after it has begun is disrespectful to Faculty and classmates. Talking out of turn or exhibiting other disruptive behaviors is not tolerated and students will be asked to leave the classroom or lab. All pagers, wireless phones, electronic games, radios, tape or CD players or other devices that generate sound must be turned off when any member of the academic community enters a classroom. Cellular devices are allowed to be on in the classroom only if the owner is using the caller ID, voice messages or a vibrating battery or universal clip mechanism. NO TEXTING IS ALLOWED AT ANY TIME DURING CLASS AND/OR LABS. Members of the academic community must exit the classroom to make or receive calls.

A student is deemed excessively absent in any course when he or she has been absent 15% of the number of contact hours a class meets during a semester. More than five hours lecture, one campus lab or one agency laboratory experiences constitute excessive absence in nursing 21. When a student is excessively absent, a grade of “W” or “WU” will be assigned as described in the college catalogue. Attendance at pre and post conference for laboratory experience is required. Absence from either pre or post conference constitutes an absence for the day’s experience.
Fatigue certainly impair a health care worker’s ability to provide safe, professional nursing care. Thus KCC’s Nursing Department states: All students need to carefully assess his/her level of fatigue, school requirements in terms of lecture, on-campus labs and clinical experiences and own work schedules. This assessment should carefully consider the potential impact of excessive employment on his/her ability to provide safe, professional nursing care. Each student has an ethical responsibility to ensure that fatigue does not negatively impact student nurse responsibilities.

3. **Malpractice Insurance, Health Clearance and CPR Certification**

Students are required to have malpractice insurance, health clearance and CPR certification prior to registration. During the semester, any change in the student's health clearance (e.g. serious illness, accident, pregnancy, etc.) necessitates evaluation by student health service. Student responsibility includes notification of the clinical instructor and course coordinator. Health clearance must be maintained to continue course enrollment.

4. **Evaluation**

Grades will be calculated as follows:

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<tr>
<th>Grade</th>
<th>Range</th>
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<td>A+</td>
<td>97 – 100</td>
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<td>A</td>
<td>93 – 96</td>
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<tr>
<td>A-</td>
<td>90 – 92</td>
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<td>B+</td>
<td>87 – 89</td>
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<td>B</td>
<td>83 – 86</td>
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<tr>
<td>B-</td>
<td>80 – 82</td>
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<td>C+</td>
<td>78 – 79</td>
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<td>C</td>
<td>75 – 77</td>
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<td>C-</td>
<td>70 – 74</td>
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<td>D+</td>
<td>66 – 69</td>
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<td>D</td>
<td>60 – 65</td>
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<td>F</td>
<td>below 59</td>
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<td>INC</td>
<td>Incomplete</td>
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<td>WU</td>
<td>Withdraw unofficially</td>
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<td>W</td>
<td>Withdraw without penalty</td>
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Grades will be determined as described below:

- Lecture Examinations average (5) 60%
- Final Examination 40%
- Nursing Care Plans Satisfactory
- Clinical Competency Satisfactory
- Teaching Plan Satisfactory
- Reaction Papers Satisfactory

**NOTE WELL:** Completion of the mandatory NLN examination as scheduled is required. Failure to take the exam as scheduled will result in a grade of incomplete for the course.

All Students must use the Test Taking Strategies Program located in M220 or M415 within the first two weeks of the course.
Student's performance in health agency experiences and clinical competencies will be evaluated as satisfactory or unsatisfactory. Performance that has been designated as unsatisfactory at the end of the course will result in failure of the course.

Nursing assessments, nursing care plan and narrative nursing notes must be submitted weekly. At least three satisfactory sets are necessary for course completion.

Students who do not take an exam on the scheduled date are required to take a makeup. All makeup exams will be given at the end of the semester. Students who fail to take the scheduled makeup exam will receive a grade of zero for that test.

All written assignments must comply with college standards for written work. Written assignments are to be turned in during the class period on the date that they are due.

All assignments, numerically or “U/S” graded, must be handed in by the end of the course to complete the requirements of the course. A late assignment will meet the requirements of the course but will not receive full credit. If written assignments are not submitted by the end of the course, the student will receive a grade of “F” for the course.

A conference with the instructor is required at mid-semester, and at the end of the course at which time the student’s progress in the course will be discussed. In addition, students may initiate conferences with the instructor at other times.

Clinical Competency:

Student must demonstrate satisfactory performance of the following skills:

I. Comprehensive physical assessment.
II. IVPB administration.
III. Suctioning.
IV. Nursing care plan development.

5. Clinical Agency Experience Requirements

To fulfill the clinical agency experience requirements, the student will:

a. be on time for the scheduled pre-conference in full uniform.
b. have a written nursing care plan for the assigned client as designated.
c. have drug information for the assigned client's medication needs.
d. attends and participates in pre and post conferences.
e. attends a practice laboratory at the college when requested to do so by the clinical instructor.
f. students may not bring audio or visual recording devices or cellular phones during clinical agency experience.

If these requirements are not met, the student may be requested to leave the clinical area; which will be considered an absence.
6. **Dress Requirements:** Students must present themselves as professional role models. "In Uniform" refers to standard uniform of KCC, Department of Nursing:

1. **Man** - white surgical shirt, matching trousers, hose and shoes.
2. **Women** - knee length dress or pantsuit, plain white or sheer opaque hose and closed white nursing shoes.
3. The uniform is to be properly fitted, clean, pressed and/or in good repair.
4. Current KCC Student photo ID card is to be worn.
5. Watch with second hand.
7. Stethoscope.
8. No jewelry other than plain wedding ring.
9. Nails should not extend beyond the fingertips and should be rounded and clean. Extension, acrylics or nail tips are not permitted.
10. Hair is to be clean, neat, off the face and above the collar line. Decorative and painted hair ornaments are not permitted.
11. Subdued makeup.

Dress requirements must be met prior to leaving the locker area and maintained until returning to locker area.

7. **Classroom Decorum**

All pages, wireless phones, electronic games, radios, tape or CD players or other devices that generate sound must be turned off when any member of the academic community enters a classroom. Cellular devices are allowed to be on in the classroom only if the owner is using the caller ID, voice messages or a vibrating battery or universal clip mechanism. Members of the academic community must exit the classroom to make or receive calls.

**Drug Calculation Policy:**
Nursing 17 "Drug Calculation in Nursing" is a pre or co-requisite of Nursing 18, and a pre-requisite to all other Nursing Courses. Throughout the rest of the program, drug knowledge and skills will be integrated and tested in every Nursing Course.

**Effective Fall 2009**

**Criteria for retention in the Nursing Program mandates that students:**

1. Earn a minimum a “C” grade in every required Nursing and co-requisite course. **Students who achieve a C- grade in a required nursing course may apply to repeat the course one time only in the semester immediately following, subject to space availability. The online “Intent to Return to Nursing Course” form must be completed and include a plan for success that demonstrates significant changes in how they will approach the course when repeated. Only one required nursing course may be repeated.**
2. Students who enter Nursing 18 **MUST** complete the Nursing Program within four years from the date of entry into this course. Any student who has not attended required nursing courses for two or more consecutive semesters cannot be readmitted into the Nursing Program unless qualifying examinations have been passed in the required nursing courses previously successfully completed. Qualifying examinations may be repeated only once.

(Required nursing courses: Nursing 17, 18, 19, 20, 21, 22, 23, 24. Co-requisite courses: Biology 12, Biology 51, English 24, Psychology 32 Sociology 31)

(1993; revised 2003; revised 2008: revised 2009, revised 2010)
### Learner Objectives

Upon completion of the unit the learner will be able to:

1. Identify course requirements
2. Discuss concepts of health and the physiological and psychological response to illness.
3. Identify adaptive responses for a client who has physiological and psychological illness.

### Content Outline

<table>
<thead>
<tr>
<th>1. OVERVIEW</th>
<th>2.1 CONCEPTS</th>
<th>3.1 FACTORS AFFECTING HEALTH/ILLNESS</th>
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<tr>
<td>1.1. Course overview</td>
<td>A. Man as a Holistic Being</td>
<td>A. Developmental needs</td>
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<td>1.2. Course syllabi</td>
<td>B. Maslow’s Hierarchy of Needs</td>
<td>B. Lifestyle risk factors</td>
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<td>1.3. Course requirements</td>
<td>C. Health-Illness Continuum</td>
<td>C. Health maintenance behaviors</td>
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<td>D. Nursing Process</td>
<td>D. Stages of acute/chronic illness</td>
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<td>E. Stress and Adaptation</td>
<td>E. Transcultural considerations</td>
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<td>F. Acute/Chronic Illness</td>
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<td>G. Developmental Needs</td>
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### Related Learner Experiences

- Nursing 21 Syllabi
- Course Outline
- Dates to Remember

### Clinical Objectives

Upon completion of this clinical day the learner will be able to:

1. Perform a nursing assessment
2. Analyze data.
3. Formulate nursing diagnosis.
4. Prioritize nursing diagnoses.
5. Formulate a plan to achieve client outcomes.
6. Implement a plan.
7. Evaluate client outcomes.
8. Communicate and collaborate with the client, family, and healthcare providers.
9. Teach client:
   a. Preventative health strategies
   b. Health maintenance
      i. Dietary
      ii. Medication use
      iii. Lifestyle modifications

### Required Readings:

  - Chap. 1-5, pp. 2–44
  - Chap. 13, pp. 170-197
  - Chap. 14, pp. 199-211
  - Chap. 15, pp. 213-238


### College Lab #1

The learner will:

1. Discuss the components of a client assessment.
2. Identify arterial pulse locations
3. Demonstrate palpation of arterial pulses
4. Describe normal and adventitious breath sounds
5. Demonstrate measurement of oxygen saturation
6. Describe normal and abnormal heart sounds.
7. Identify correct landmarks for heart sounds
8. Auscultate lung sounds.
9. Describe the principles of abdominal assessment.
10. Demonstrate palpation of the abdomen.
11. Auscultate abdomen for bowel sounds.
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<thead>
<tr>
<th>Learner Objectives</th>
<th>Content Outline</th>
<th>Related Learner Experiences</th>
<th>Clinical Objectives</th>
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<tbody>
<tr>
<td>4. Describe the nursing assessment for clients who have physiological and psychological responses to illness</td>
<td>4.1 <strong>ASSESSMENT</strong>&lt;br&gt;A. Nursing&lt;br&gt;B. Physical Assessment&lt;br&gt;C. Diagnostic/Lab Tests&lt;br&gt;D. Legal/Ethical Considerations</td>
<td><strong>Required Readings:</strong>&lt;br&gt;Dudek, Susan G., (2007) <em>Nutrition Handbook for Nursing Practice</em>, 5th Edition. Philadelphia, PA: Lippincott Co. pp. 347-370</td>
<td><strong>College Lab #2</strong>&lt;br&gt;The Learner will:</td>
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<td>5. Identify nursing diagnoses for clients with physiological and psychological responses to illness</td>
<td>5.1 <strong>NURSING DIAGNOSES</strong>&lt;br&gt;A. Risk for Injury&lt;br&gt;B. Self Care Deficit&lt;br&gt;C. Ineffective Protection&lt;br&gt;D. Ineffective Tissue Perfusion&lt;br&gt;E. Ineffective Coping&lt;br&gt;F. Disturbed Body Image</td>
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<td>1. Describe the principles of administration of intravenous piggyback medication.&lt;br&gt;2. Demonstrate the administration of an intravenous piggyback medication.&lt;br&gt;3. Describe the method of administration of medication via a normal saline lock.&lt;br&gt;4. Explain the procedure for venipuncture/IV access.&lt;br&gt;5. Describe the principles of administration of medications via an enteral tube (NGT/GTT&lt;br&gt;6. Demonstrate the administration of medication via a NG/GT tube&lt;br&gt;7. Explain the procedure of administering medications via a NG/GT tube.</td>
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<td>6. Develop a plan of care for clients who have physiological and psychological responses to illness</td>
<td>6.1 <strong>PLANNING</strong>&lt;br&gt;A. Expected Outcome Criteria&lt;br&gt;B. Health Promotion Activities&lt;br&gt;C. Therapeutic Interventions</td>
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<td>7. Implement a plan of care for clients who have physiological responses to illness.</td>
<td>7. <strong>IMPLEMENTATIONS</strong>&lt;br&gt;7.1 Independent Activities&lt;br&gt;A. Health Promotion</td>
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<td>7.2 Collaborative Activities&lt;br&gt;A. Medications&lt;br&gt;B. Procedures/Treatments&lt;br&gt;C. Referrals/Community Resources&lt;br&gt;D. Discharge Planning/Community Resources</td>
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<td>8. <strong>EVALUATION</strong>&lt;br&gt;8.1 Evaluation of Outcome Criteria&lt;br&gt;8.2 Revision of Plan</td>
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<tr>
<td>Learner Objectives</td>
<td>Content Outline</td>
<td>Related Learner Experiences</td>
<td>Clinical Objectives</td>
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<td>Upon completion of the unit the learner will be able to:</td>
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<td>Review: BIO 11/12 fluids and electrolytes</td>
<td>Upon completion of this clinical day the learner will be able to:</td>
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<tr>
<td>2. Identify the adaptive responses for a client who has a fluid and/or electrolyte imbalance</td>
<td>2.1 <strong>FACTORS AFFECTING</strong>&lt;br&gt;A. Age&lt;br&gt;B. Gender and Body Size&lt;br&gt;C. Environmental temperatures&lt;br&gt;D. Co-morbid Conditions&lt;br&gt;E. Lifestyle&lt;br&gt;F. Medications&lt;br&gt;G. Treatments</td>
<td>Le Fever Kee, Joyce pp. 83-84, 93-95, 102-103, 119,123-124, 142-145, 200-206, 336-338, 347-351</td>
<td>College Lab # 3&lt;br&gt;Upon completion of this college lab the student will via case study and simulation:</td>
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<td>3. Describe the nursing assessment for clients who have fluid and electrolyte imbalances</td>
<td>3.1 <strong>ASSESSMENT</strong>&lt;br&gt;A. Nursing&lt;br&gt;B. Physical Assessment&lt;br&gt;C. Diagnostic/Lab Tests&lt;br&gt;D. Legal/Ethical Considerations</td>
<td></td>
<td>1. Demonstrate the ability to use the nursing process in assisting clients with fluid and electrolyte imbalances.&lt;br&gt;2. Demonstrate competencies in performing therapeutic nursing Interventions.&lt;br&gt;3. Apply knowledge of pharmacological agents in the administration of medication.&lt;br&gt;4. Apply knowledge of pharmacological agents in the administration of medication.</td>
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<td>4. Identify nursing diagnoses for a client who has a fluid and/or electrolyte imbalance</td>
<td>4.1 <strong>NURSING DIAGNOSES</strong>&lt;br&gt;A. Deficient Fluid Volume&lt;br&gt;B. Decreased Cardiac Output&lt;br&gt;C. Ineffective Tissue Perfusion&lt;br&gt;D. Ineffective Thermoregulation</td>
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<td>Learner Objectives</td>
<td>Content Outline</td>
<td>Related Learner Experiences</td>
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<td>5. Develop a plan of care for a client who has a fluid and/or electrolyte imbalance.</td>
<td>E. Anxiety</td>
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<td>F. Disturbed Thought Processes</td>
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<td>5.1 <strong>PLANNING</strong></td>
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<td>A. Expected Outcome Criteria</td>
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<td>B. Health Promotion Activities</td>
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<td>C. Therapeutic Interventions</td>
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<td>6. <strong>IMPLEMENTATION</strong></td>
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<td>6.1 Independent Activities</td>
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<td>A. Health Promotion</td>
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<td>6.2 Collaborative Activities</td>
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<td>A. Fluid Management</td>
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<td>1. Crystalloids</td>
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<td>2. Colloids</td>
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<td>B. Medications</td>
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<td>1. Diuretic</td>
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<td>3. Electrolyte Replacement</td>
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<td>4. Vasoconstrictors</td>
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<td>5. Agents Enhancing Contractility</td>
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<td>6. Agents enhancing Myocardial Perfusion</td>
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<td>7. Antibiotics</td>
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<td>8. Anticoagulants</td>
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<td></td>
<td>C. Nutritional Support</td>
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<td></td>
<td>D. Treatments/procedures</td>
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<td>1. Oxygen Therapy</td>
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<td>2. Hemodynamic Monitoring</td>
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<td>3. Intra-Aortic Balloon Pump</td>
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<td>7. <strong>EVALUATION</strong></td>
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<td>7.1 Evaluation of Outcome Criteria</td>
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<td>7.2 Revision of Plan</td>
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## Learner Objectives

1. Discuss burn injuries
2. Identify the adaptive responses for a client who has a burn injury.

## Content Outline

### 1. OVERVIEW OF BURN INJURIES

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<th>Details</th>
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<td>B.</td>
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<td>C.</td>
<td>Etiological factors</td>
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<td>D.</td>
<td>Types</td>
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<td>1.</td>
<td>Dry heat</td>
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<td>2.</td>
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### 2. FACTORS AFFECTING

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<td>A.</td>
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## Related Learner Experiences

- Review: BIO 11/12 Integumentsary system
- Review: PSY 11 Self esteem & body image

## Clinical Objectives

- Ignatavicius and Workman: Chap 28, pp. 519-547
- Dudek: Chap. 16, pp. 465 – 68
- Abrams: Chap. 51 Chap. 57
<table>
<thead>
<tr>
<th>Learner Objectives</th>
<th>Content Outline</th>
<th>Related Learner Experiences</th>
<th>Clinical Objectives</th>
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</table>
| 3. Describe the nursing assessment of a client who has a burn injury. | 3.1 **ASSESSMENT**  
A. Nursing History  
B. Physical assessment  
1. Rule of Nines  
2. LUND-Browder Assessment  
C. Diagnostic/lab tests  
1. Serum studies  
2. Electrolytes  
3. Liver enzymes  
4. Coagulation studies  
D. Transcultural considerations | | |
| 4. Identify nursing diagnoses for a client who has a burn injury. | 4.1 **NURSING DIAGNOSES**  
A. Impaired tissue integrity  
B. Deficient fluid volume  
C. Pain  
D. Risk for infection  
E. Disturbed body image  
F. Ineffective protection | | |
| 5. Develop a plan of care for client who has a burn injury. | 5.1 **PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions | | |
| 6. Implement a plan of care for a client who has a burn. | 6. **IMPLEMENTATION**  
6.1 **IMPLEMENTATION**  
A. Health promotion | | |
| | 6.2 Collaborative Activities  
A. Fluid Management  
1. Crystalloids  
2. Colloids | | |
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<td>c. Iron</td>
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<td>3. TPN</td>
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<td>D. Treatments/procedures</td>
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<td>1. Graphs</td>
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<td>a. Porcine</td>
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<td>c. Autogenic</td>
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<td>d. Synthetic</td>
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<td>2. Wound care</td>
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<td>3. Hyperbaric chamber</td>
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<td>E. Referrals/Community Resources</td>
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<td>4. Support Groups</td>
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<td>7. Evaluate the plan of care.</td>
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<td>7. <strong>EVALUATION</strong></td>
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<td>7.1 Evaluation of Outcome Criteria</td>
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<td>7.2 Revision of the Plan</td>
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<td>Upon completion of this unit the learner will be able to:</td>
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<td>Required Readings:</td>
<td>Upon completion of this clinical day the learner will be able to:</td>
</tr>
</tbody>
</table>
| 1. Describe respiratory dysfunction as it relates to altered oxygen exchange. | **1.1 OVERVIEW**  
A. Review respiratory system, structure and function  
B. Definitions  
C. Pathophysiology  
D. Etiological factors  
E. Complications  
1. Respiratory failure  
2. Pulmonary embolus  
3. Acute Respiratory Distress Syndrome (ARDS) | Ignatavicius & Workman:  
Chap. 29, pp. 552-570  
Chap. 30, pp. 571-580  
Chap. 34, pp. 677-697 | 1. Perform a nursing assessment  
2. Analyze data.  
3. Formulate nursing diagnosis.  
4. Prioritize nursing diagnoses.  
5. Formulate a plan to achieve client outcomes.  
6. Implement a plan.  
7. Evaluate client outcomes.  
8. Communicate and collaborate with the client, family, and healthcare providers.  
9. Teach client:  
   a. Preventative health strategies  
   b. Health maintenance  
      i. Dietary  
      ii. Medication use  
      iii. Lifestyle modifications  
College Lab #4  
The learner will:  
1. Discuss oxygen delivery systems.  
2. Demonstrate correct oral, nasopharyngeal and endotracheal suctioning techniques.  
3. Demonstrate tracheostomy care.  
4. Describe principles of pulse oximetry measurement. |
<table>
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<tr>
<th>Learner Objectives</th>
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<th>Clinical Objectives</th>
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<tbody>
<tr>
<td>3. Describe the nursing assessment in meeting the client’s needs who has altered oxygen exchange</td>
<td><strong>3.1 ASSESSMENT</strong>&lt;br&gt;A. Nursing history&lt;br&gt;B. Physical assessment&lt;br&gt;1. Pulmonary function tests&lt;br&gt;2. Bronchoscopy&lt;br&gt;3. Arterial blood gas&lt;br&gt;4. Cultural sensitivity&lt;br&gt;C. Diagnostic/Lab tests&lt;br&gt;D. Cultural considerations&lt;br&gt;E. Drug therapy&lt;br&gt;F. Health status&lt;br&gt;G. Allergic reactions&lt;br&gt;H. Surgery&lt;br&gt;I. Trauma</td>
<td>1. Physical Assessment of the Lungs, Thorax, and Heart Sounds (CD)</td>
<td>Video shown in class: 1. Mechanical Ventilation Part II: Complications of Weaning</td>
</tr>
<tr>
<td>4. Identify nursing diagnoses for the client who has respiratory distress.</td>
<td><strong>4.1 NURSING DIAGNOSES</strong>&lt;br&gt;A. Ineffective Airway Clearance&lt;br&gt;B. Impaired Gas Exchange&lt;br&gt;C. Impaired Spontaneous Ventilation</td>
<td></td>
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<tr>
<td>5. Develop a plan of care to meet the needs of a client who has altered oxygen exchange.</td>
<td><strong>5.1 PLANNING</strong>&lt;br&gt;A. Expected Outcome Criteria&lt;br&gt;B. Health Promotion Activities&lt;br&gt;C. Therapeutic Interventions&lt;br&gt;D. Legal/Ethical Considerations</td>
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<td>6. Implement a plan of care to meet the needs of a client who has altered oxygen exchange</td>
<td><strong>6 IMPLEMENTATIONS</strong>&lt;br&gt;6.1 Independent Activities&lt;br&gt;A. Health promotion</td>
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**CAI:**
- Video to be viewed by student in Media Center
  - 1. Physical Assessment: Thorax and Lungs # 809
  - 2. Mechanical Ventilation Part I: Essentials in Nursing Care # 845
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<th>Content Outline</th>
<th>Related Learner Experiences</th>
<th>Clinical Objectives</th>
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| 6. (Con’t).        | 6.2 Collaborative Activities  
A. Medication  
1. Antihistamines  
2. Anti-tussus  
3. Mucolytics  
4. Decongestants  
5. Expectorants  
6. Bronchodilators  
B. Procedure/Treatment  
1. Oxygen administration  
2. Mechanical ventilation  
C. Referrals/Community Resources  
D. Discharge Planning  
7. **EVALUATION**  
7.1 Evaluation of Outcome Criteria  
7.2 Revision of Plan |
<table>
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<th>Learner Objectives</th>
<th>Content Outline</th>
<th>Related Learner Experiences</th>
<th>Clinical Objectives</th>
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<tr>
<td>2. Identify adaptive responses for a client who has respiratory infections.</td>
<td><strong>2.1 FACTORS AFFECTING OF RESPIRATORY INFECTIONS</strong>&lt;br&gt;A. Age&lt;br&gt;B. Sex&lt;br&gt;C. Immunosuppression&lt;br&gt;D. Malnutrition&lt;br&gt;E. Debilitating illness&lt;br&gt;F. Smoking&lt;br&gt;G. Environmental conditions</td>
<td><strong>Video to be viewed by students in Media Center:</strong>&lt;br&gt;1. #866 TB or Not TB&lt;br&gt;2. #785 Tracheostomy care</td>
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</table>
| 3. Describe the nursing assessment in meeting the needs of a client who has respiratory infections. | **3.1 ASSESSMENT**  
A. Nursing History  
B. Physical Assessment  
C. Diagnostic/Lab Tests  
1. Chest X-Ray  
2. Gram Stain Sputum  
3. Culture & Sensitivity  
4. ABG  
5. Complete Blood Count  
6. Blood Culture  
D. Cultural Considerations | | |
| 4. Identify nursing diagnoses for a client who has respiratory infections. | **4.1 NURSING DIAGNOSES**  
A. Ineffective Breathing Patterns  
B. Ineffective Airway Clearance  
C. Ineffective Health Maintenance  
D. Activity Intolerance | | |
| 5. Develop a plan of care to meet the needs of client who has a respiratory infection. | **5.1 PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet the client’s need who has a respiratory infection. | **6. IMPLEMENTATION**  
6.1 Independent Activities  
A. Health promotion | | |
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<td>6.2 Collaborative Activities</td>
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<td>A. Medication</td>
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<td>B. Procedure/Treatment</td>
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<td>4. Antituberculars</td>
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<td>C. Referral/Community Resources</td>
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<td>D. Discharge Planning</td>
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<td><strong>7.</strong> Evaluate plan of care for a</td>
<td>7. <strong>EVALUATION</strong></td>
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<td>2. Identify adaptive responses for a client who has constrictive respiratory disorders.</td>
<td><strong>Required Reading:</strong>&lt;br&gt;   Dudek:&lt;br&gt;   Chap. 16, pp. 468 – 474</td>
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<td>2.1 <strong>FACTORS AFFECTING THE DEVELOPMENT OF NON-INFECTIOUS RESPIRATORY DISEASE</strong> &lt;br&gt;   A. Age &lt;br&gt;   B. Genetic &lt;br&gt;   C. Environmental exposure &lt;br&gt;   D. Transcultural considerations</td>
<td>Abrams:&lt;br&gt;   Chap. 44</td>
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<td>1. Caring for Patients with Chronic Obstructive Pulmonary Disease. # 835</td>
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<td>2. Asthma, Emphysema, and Chronic Bronchitis. #1180</td>
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| 3. Describe the nursing assessment in meeting the needs of a client who has constrictive respiratory disorders. | **3.1 ASSESSMENT**  
A. Nursing History  
B. Physical Assessment  
C. Diagnostic/Lab Tests  
1. Pulmonary Function Tests  
2. Peak Exploratory Flow Monitoring  
3. ABG  
D. Cultural Considerations | CAI:  
1. Nursing Care of Elderly Patients with COPD (CD)  
2. Clinical Simulations in Med-Surg III  
3. Nursing Management of the Adult Asthmatic | |
| 4. Identify nursing diagnoses for a client who has asthma. | **4.1 NURSING DIAGNOSES**  
A. Impaired Gas Exchange  
B. Ineffective Breathing Patterns  
C. Ineffective Airway Clearance  
D. Anxiety  
E. Risk for Infection  
F. Activity Intolerance  
G. Imbalanced Nutrition: Less than Body Requirements | | |
| 5. Develop a plan of care to meet the needs of client who has a constrictive respiratory disorder. | **5.1 PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet the client’s need who has a constrictive respiratory disorder. | **6. IMPLEMENTATION**  
6.1 Independent Activities  
A. Health promotion | | |
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</table>
| 7. Evaluate the plan of care | 7. EVALUATION  
7.1 Evaluation of Outcome Criteria  
7.2 Revision of Plan | Required Readings:  
Abrams: Chap 44 | |
<table>
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<th>Content Outline</th>
<th>Related Learner Experiences</th>
<th>Clinical Objectives</th>
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</table>
| 1. Discuss chest trauma and thoracic injuries. | 1.1 **OVERVIEW**  
   A. Definition  
   B. Pathophysiology  
   C. Etiological factors  
   D. Complications  
   1. Pneumothorax  
      a. Open Pneumothorax  
      b. Closed Pneumothorax  
      c. Tension Pneumothorax | | College Lab # 5  
   |  | Upon completion of this college lab the student will via case study and simulation: | |
| 2. Identify adaptive responses for a client who has thoracic trauma | 2.1 **FACTORS AFFECTING CHEST TRAUMA AND THORACIC INJURIES**  
   A. Age  
   B. Sex  
   C. Lifestyle  
   D. Trauma | | 1. List the equipment needed to support the insertion of a chest tube.  
   2. Provide assistance to the medical personnel authorized to insert chest tubes.  
   3. Explain the nursing responsibilities related to the care of the client with a chest drainage system.  
   4. State the client assessment criteria.  
   5. Prepare a plan of care for a client who has a chest tube.  
   6. Accurately document chest tube insertion in a client’s record.  
   7. Describe the process of chest tube removal. | |
| 3. Describe the nursing assessment in meeting the needs of a client who has chest trauma | 3.1 **ASSESSMENT**  
   A. Nursing History  
   B. Physical Assessment  
   C. Diagnostic/Lab Tests  
   1. ABG  
   2. Serum and Urine Electrolytes  
   3. Pulmonary Function Tests  
   4. Chest X-ray  
   D. Transcultural Considerations | | |

College Lab # 5

Upon completion of this college lab the student will via case study and simulation:

1. List the equipment needed to support the insertion of a chest tube.
2. Provide assistance to the medical personnel authorized to insert chest tubes.
3. Explain the nursing responsibilities related to the care of the client with a chest drainage system.
4. State the client assessment criteria.
5. Prepare a plan of care for a client who has a chest tube.
6. Accurately document chest tube insertion in a client’s record.
7. Describe the process of chest tube removal.
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<th>Learner Objectives</th>
<th>Content Outline</th>
<th>Related Learner Experiences</th>
<th>Clinical Objectives</th>
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</thead>
</table>
| 4. Identify nursing diagnoses for a client who has chest trauma. | 4.1 **NURSING DIAGNOSES**  
A. Impaired Gas Exchange  
B. Ineffective Breathing Patterns  
C. Impaired Spontaneous Ventilation  
D. Dysfunctional Ventilator Weaning | | |
| 5. Develop a plan of care to meet the needs of client who has chest trauma | 5.1 **PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet the client’s need who has chest trauma. | 6. **IMPLEMENTATION**  
6.1 Independent Activities  
A. Health promotion  
6.2 Collaborative Activities  
A. Medication  
B. Procedure/Treatment  
1. Needle Venting  
2. Mechanical Ventilation  
3. Chest tube Insertion  
4. Surgery  
C. Referral/Community Resources  
D. Discharge Planning | | |
| 7. Evaluate the plan of care for a client who has chest trauma. | 7. **EVALUATION**  
7.1 Evaluation of Outcome Criteria  
7.2 Revision of Plan | | |
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<tr>
<th>Learner Objectives</th>
<th>Content Outline</th>
<th>Related Learner Experiences</th>
<th>Clinical Objectives</th>
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<tbody>
<tr>
<td>Upon completion of the unit the learner will be able to:</td>
<td></td>
<td>Review: Bio 11/12 Cardiovascular System</td>
<td>Upon completion of this clinical day the learner will be able to:</td>
</tr>
</tbody>
</table>
| 1. Discuss peripheral vascular disease (PVD) | 1.1 **OVERVIEW**  
   A. Review A&P  
   B. Definition  
   C. Pathophysiology  
   D. Etiological factors  
   E. Classifications  
      1. Arteriosclerosis  
      2. Atherosclerosis  
      3. Varicose Veins  
      4. Thrombophlebitis  
      5. Venous Stasis Ulcers  
   F. Complications  
      1. Pulmonary Emboli | | 1. Perform a nursing assessment  
2. Analyze data.  
3. Formulate nursing diagnosis.  
4. Prioritize nursing diagnoses.  
5. Formulate a plan to achieve client outcomes.  
6. Implement a plan.  
7. Evaluate client outcomes.  
8. Communicate and collaborate with the Client, family, and healthcare providers.  
9. Teach client:  
   a. Preventative health strategies  
   b. Health maintenance  
      i. Dietary  
      ii. Medication use  
      iii. Lifestyle modifications. |
| 2. Identify adaptive responses for a client who has PVD. | 2.1 **FACTORS AFFECTING THE DEVELOPMENT OF PERIPHERAL VASCULAR DISEASE**  
   A. Age  
   B. Sex  
   C. Nutritional Status  
   D. Genetics | Ignatavicius & Workman:  
Chap. 35, pp. 704-729  
Chap. 38, pp. 793-796, 804-824  
LaFever, Kee  
pp.123-123,158-160, 423-424, 640-645 | |
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<th>Related Learner Experiences</th>
<th>Clinical Objectives</th>
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| 3. Describe the nursing assessment in meeting the needs of a client who has PVD. | 3.1 **ASSESSMENT**  
A. Nursing History  
B. Physical Assessment  
C. Diagnostic/Lab Tests  
1. Arteriography  
2. Doppler studies  
D. Transcultural Considerations | | |
| 4. Identify nursing diagnoses for a client who has PVD. | 4.1 **NURSING DIAGNOSES**  
A. Ineffective Tissue Perfusion  
B. Pain  
C. Activity intolerance  
D. Impaired tissue integrity | | |
| 5. Develop a plan of care to meet the needs of client who has PVD. | 5.1 **PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet the client’s need who has PVD. | 6. **IMPLEMENTATION**  
6.1 Independent Activities  
A. Health promotion | | |
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<td>6 (Con’t)</td>
<td>6.2. Collaborative Activities</td>
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<td></td>
<td>A. Medication</td>
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<td></td>
<td>1. Vasodilators</td>
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<td>2. Antiplatelet Aggregation Therapy</td>
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<td>3. Anticoagulants</td>
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<td>B. Procedure/Treatment</td>
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<td>1. Angioplasty</td>
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<td>3. Vein Stripping and Ligation</td>
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<td>4. Bypass Surgery</td>
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<td>5. Amputation</td>
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<td>C. Referral/Community Resources</td>
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<td>D. Discharge Planning</td>
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<td>7. Evaluate the plan of care for a client who has PVD.</td>
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<td>7. <strong>EVALUATION</strong></td>
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<td>7.1 Evaluation of Outcome Criteria</td>
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<td>7.2 Revision of Plan</td>
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| Upon completion of the unit the learner will be able to: | **OVERVIEW**
1. **Definition**
2. **Pathophysiology**
3. **Etiological factors**
4. **Classifications**
   1. Primary (Essential)
   2. Secondary
5. **Complications**
   1. Malignant Hypertension
   2. CVA
   3. MI
   4. PVD
   5. Renal Failure | Review: Bio 11/12 | |
| 1. Discuss hypertension | **FACTORS AFFECTING THE DEVELOPMENT OF HYPERTENSION**
A. Age
B. Sex
C. Nutritional Status
D. Genetics
E. Chronic Health Problems | **Required Readings**
Ignatavicius & Workman:
Chap. 38, pp. 796-804 | |
| 2. Identify adaptive responses for a client who has hypertension. | **ASSESSMENT**
A. Nursing History
B. Physical Assessment
C. Diagnostic/Lab Tests
   1. Chest X-Ray
   2. EKG
D. Transcultural Considerations | LeFever Kee:
pp. 290-292, 415-416 | |
| 3. Describe the nursing assessment in meeting the needs of a client who has hypertension. | **Videos be viewed by students in Media Center:**
1. Arrhythmia #1179
2. Hypertension #1187
3. Coronary Artery Disease #1115
4. Bypass Surgery #1116
5. Cardiac Rehabilitation #1117
6. Hemodynamic Monitoring #295 | |
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</thead>
</table>
| 4. Identify nursing diagnoses for a client who has hypertension. | **4.1 NURSING DIAGNOSES**
   A. Ineffective Tissue Perfusion, Peripheral, Cerebral, Renal, Cardiopulmonary
   B. Decreased Cardiac Output
   C. Ineffective Health Management | Videos shown in class:
   1. CAD and Angina # 1181 | |
| 5. Develop a plan of care to meet the needs of client who has hypertension. | **5.1 PLANNING**
   A. Expected Outcome Criteria
   B. Health Promotion Activities
   C. Therapeutic Interventions
   D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet the client’s need who has hypertension. | **6. IMPLEMENTATION**
   6.1 Independent Activities
   A. Health promotion
      1. Medications
         a. Diuretics
         b. Adrenergic Inhibitors
         c. Vasodilators
         d. Central Acting Agonists
         e. BetaBlockers
         f. Angiotension Converting Enzymes
         g. Angiotension II Receptor Antagonists
         h. Calcium Channel Blockers
   B. Procedure/Treatment | | |
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<td>7. Evaluate the plan of care for a client who has hypertension.</td>
<td>C. Referral/Community Resources D. Discharge Planning</td>
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<td>7. <strong>EVALUATION</strong></td>
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<td>Upon completion of the unit the learner will be able to:</td>
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1. Discuss Coronary Artery Disease (CAD)

2. Identify adaptive responses for a client who has CAD.

3. Describe the nursing assessment in meeting the needs of a client who has CAD.

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<tr>
<td>1.1 <strong>OVERVIEW</strong></td>
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<tr>
<td>A. Definition</td>
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<tr>
<td>B. Pathophysiology</td>
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<tr>
<td>C. Etiological factors</td>
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<tr>
<td>D. Complications</td>
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<tr>
<td>1. Angina</td>
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<tr>
<td>2. Myocardial Infarction</td>
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<tr>
<td>3. Dysrhythmia</td>
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<td>4. Sudden Cardiac Death</td>
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<td>5. Heart Block</td>
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<tr>
<th>Related Learner Experiences</th>
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<tbody>
<tr>
<td>Review: Bio 11/12</td>
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**Required Readings**

Ignatavicius & Workman: Chap. 40, pp. 847-874

LeFever Kee: pp 138-142, 290-292, 415-416, 640-646

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<td>CAI:</td>
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<tr>
<td>3. (Con’t)</td>
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</tbody>
</table>
| 4. Identify nursing diagnoses for a client who has CAD. | 6 Telemetry  
7 Echocardiography  
8 Angiography  
9 Cardiac catheterization  
D. Transcultural Considerations |  |  |
| 5. Develop a plan of care to meet the needs of client who has CAD. | 4.1 NURSING DIAGNOSES  
A. Pain  
B. Decreased Cardiac Output  
C. Activity Intolerance  
D. Ineffective Tissue Perfusion, Cardiopulmonary  
E. Ineffective Health Management |  |  |
| 6. Implement a plan of care to meet the client’s need who has CAD. | 5.1 PLANNING  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations |  |  |
|                   | 6. IMPLEMENTATION  
6.1 Independent Activities  
A. Health promotion |  |  |
|                   | 6.2 Collaborative Activities  
A. Medications  
1. Nitrates  
2. Analgesic  
3. Thrombolytic Therapy  
4. Digitalis Preparations Therapy  
5. Potassium Chloride |  |  |
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<tr>
<td>6. (Con’t)</td>
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</tbody>
</table>
| 7. Evaluate the plan of care for a client who has CAD. | 6. Beta Blockers  
7. Ca Channel Blockers |                             |                     |
|                    | B. Procedure/Treatment  
1. PTA  
2. CABG  
3. Stent Placement  
4. Atherectomy  
5. Laser angioplasty  
6. CPR  
7. Pacemaker  
8. Cardioversion  
9. Defibrillation |                             |                     |
<p>|                    | C. Referral/Community Resources |                             |                     |
|                    | D. Discharge Planning |                             |                     |
| 7. <strong>EVALUATION</strong> |                 |                             |                     |
| 7.1 Evaluation of Outcome Criteria |                 |                             |                     |
| 7.2 Revision of Plan |                 |                             |                     |</p>
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<tr>
<td>Upon completion of the unit the learner will be able to:</td>
<td></td>
<td>Review: Bio 11/12 Anatomy, physiology, and electro-physiology of the heart</td>
<td></td>
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</tbody>
</table>
| 1. Discuss dysrhythmias. | 1.1 **OVERVIEW**  
A. Definition  
B. Pathophysiology  
C. Etiological factors  
D. Classifications  
1. Atrial  
2. Ventricular  
3. Heart Block  
E. Complications  
1. Sudden Cardiac Death  
2. Ventricular Fibrillation | **Required Readings** | |
| 2. Identify adaptive responses for a client who has dysrhythmias. | 2.1 **FACTORS AFFECTING THE DEVELOPMENT OF DYSRHYTHMIAS**  
A. Age  
B. Sex  
C. Nutritional Status  
D. Genetics  
E. Chronic Health Problems | Abrams: Chap. 49 | |
| 3. Describe the nursing assessment in meeting the needs of a client who has dysrhythmias. | 3.1 **ASSESSMENT**  
A. Nursing History  
B. Physical Assessment  
C. Diagnostic/Lab Tests  
1. EKG  
2. Holter Monitoring  
3. Telemetry  
D. Transcultural Considerations | CAI:  
1. Essentials of Cardiac Rhythm Recognition (CD)  
2. Dysrhythmia Recognition (CD) | |
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<th>Learner Objectives</th>
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<th>Clinical Objectives</th>
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</table>
| 4. Identify nursing diagnoses for a client who has dysrhythmias. | **4.1 NURSING DIAGNOSES**  
A. Decreased Cardiac Output  
B. Fatigue  
C. Altered Cardiopulmonary Tissue Perfusion  
D. Fear  
E. Ineffective Health Management | | |
| 5. Develop a plan of care to meet the needs of client who has dysrhythmias. | **5.1 PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet the client’s need who has dysrhythmias. | **6. IMPLEMENTATION**  
6.1 Independent Activities  
A. Health promotion  
6.2 Collaborative Activities  
A. Medications  
1. Drugs that Depress Upstroke  
2. Drugs that depress Upstroke of Action Potential  
3. Beta Adrenergic Blockers  
4. Drugs that Prolong Repolarization  
5. Calcium Channel Blockers  
6. Potassium Channel Openers  
7. Digitalis Preparations | | |
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<th>Clinical Objectives</th>
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| 7. Evaluate the plan of care for a client who has dysrhythmias. | 7. **EVALUATION**  
7.1 Evaluation of Outcome Criteria  
7.2 Revision of Plan | | |
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<td>Upon completion of the unit the learner will be able to:</td>
<td></td>
<td>Review: Bio 11/12</td>
<td>College Lab # 6</td>
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</table>
| 1. Discuss heart failure. | 1.1 **OVERVIEW**  
A. Definition  
B. Pathophysiology  
C. Etiological factors  
D. Classifications  
1. Left Sided  
2. Right Sided  
3. Biventricular  
E. Complications  
1. Pulmonary Edema | | Upon completion of this college lab the student will via case study and simulation: |
| 2. Identify adaptive responses for a client who has heart failure. | 2.1 **FACTORS AFFECTING THE DEVELOPMENT OF HEART FAILURE**  
A. Age  
B. Sex  
C. Nutritional Status  
D. Genetics  
E. Chronic Health Problems  
1. Valvular Disease | | 1. Identify parts of the cardiac cycle. |
| 3. Describe the nursing assessment in meeting the needs of a client who has heart failure. | 3.1 **ASSESSMENT**  
A. Nursing History  
B. Physical Assessment  
C. Diagnostic/Lab Tests  
1. Chest X-Ray  
2. Swan Ganz  
3. Telemetry  
E. Transcultural Considerations | | 2. Describe the criteria for normal sinus rhythm. |
| | | Required Readings: | 3. Properly place the client on the cardiac monitor. |
| | | Ignatavicius & Workman:  
Chap. 37, pp. 765-779, 786 | 4. Identify normal sinus rhythm and selected dysrhythmias |
| | | Abrams:  
Chap 53 | 5. Perform an assessment of a client experiencing heart failure |
| | | CAI:  
1. Nursing Care of Elderly Patients with Cardiac Disorders (CD) | 6. Identify common diagnoses for a client who has heart failure. |
<p>| | | Videos to be viewed in Media Center: | 7. Identify and implement appropriate nursing actions. |
| | | 1. Heart Failure and Pulmonary Edema #1185 | 8. Evaluate the effectiveness of client care. |
| | | | 9. Discuss home management for a client who has chronic heart failure. |</p>
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</table>
| 4. Identify nursing diagnoses for a client who has heart failure. | **2.1 NURSING DIAGNOSES**  
A. Impaired Gas Exchange  
B. Decreased Cardiac Output  
C. Activity Intolerance  
D. Ineffective Health Management | | |
| 5. Develop a plan of care to meet the needs of client who has heart failure. | **5.1 PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet the client’s need who has heart failure. | **6. IMPLEMENTATION**  
6.1 Independent Activities  
A. Health promotion  
6.2 Collaborative Activities  
A. Medications  
1. Diuretics  
   a. Thiazides  
   b. Loop  
   c. Potassium Sparing Agents  
   d. Combination Agents  
2. Potassium Chloride  
3. Nitrates  
4. Cardiac Glycosides | | |
| 7. Evaluate the plan of care for a client who has heart failure. | **7. EVALUATION**  
7.1 Evaluation of Outcome Criteria  
7.2 Revision of Plan | | |
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<tr>
<td>1. Discuss cardiac surgery.</td>
<td>1.1 <strong>OVERVIEW</strong></td>
<td>Required Readings:</td>
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<tr>
<td></td>
<td>A. Definition</td>
<td>Ignatavicius &amp; Workman:</td>
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<td></td>
<td>B. Pathophysiology</td>
<td>Chap. 40, pp. 863-874</td>
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<td>C. Etiological factors</td>
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<td>D. Classifications</td>
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<td></td>
<td>1. Myocardial Revascularization</td>
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<td>2. Valvular Surgeries</td>
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<td>3. Ventricular Surgeries</td>
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<td>4. Cardiac Transplantation</td>
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<td>E. Complications</td>
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<td>2. Identify adaptive responses for a client experiencing cardiac surgery.</td>
<td>2.1 <strong>FACTORS AFFECTING CARDIAC SURGERY</strong></td>
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<tr>
<td></td>
<td>A. Age</td>
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<td>B. Sex</td>
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<td>C. Nutritional Status</td>
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<td>D. Genetics</td>
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<td>E. Chronic Health Problems</td>
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<td>3. Describe the nursing assessment in meeting the needs of a client experiencing cardiac surgery.</td>
<td>3.1 <strong>ASSESSMENT</strong></td>
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<td>A. Nursing History</td>
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<td>B. Physical Assessment</td>
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<td>C. Diagnostic/Lab Tests</td>
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<td>D. Transcultural Considerations</td>
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| 4. Identify nursing diagnoses for a client experiencing cardiac surgery | 4.1 **NURSING DIAGNOSES**  
A. Risk for Infection  
B. Acute Pain  
C. Impaired Physical Mobility  
D. Impaired Skin Integrity | | |
| 5. Develop a plan of care to meet the needs of client experiencing cardiac surgery | 5.1 **PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet needs of a client experiencing cardiac surgery. | 6. **IMPLEMENTATION**  
6.1 Independent Activities  
A. Health promotion  
6.2 Collaborative Activities  
A. Medications  
1. Analgesia  
B. Procedures/Treatments  
C. Referral/Community Resources  
D. Discharge Planning | | |
| 7. Evaluate the plan of care for a client experiencing cardiac surgery. | 7. **EVALUATION**  
7.1 Evaluation of Outcome Criteria  
7.2 Revision of Plan | | |
## Learner Objectives

Upon completion of the unit the learner will be able to:

1. Describe gastric disorders.
   A. Hiatal Hernia
   B. Gastroesophageal Reflux Disease (GERD)
   C. Peptic Ulcer Disease (PUD)

2. Identify adaptive responses in the development of gastric disorders.

### Content Outline

1. **OVERVIEW**
   - Definition
   - Pathophysiology
   - Etiological Factors
   - Classifications
     - Gastric
     - Duodenal
     - Stress
   - Complications
     1. Hemorrhage
     2. Perforation
     3. Obstruction
     4. Dumping Syndrome
     5. Intractable Disease

2. **FACTORS AFFECTING THE DEVELOPMENT OF GASTRIC DISORDERS**
   - Age
   - Sex
   - Infectious disorders (H Pylori)
   - Smoking
   - Alcohol
   - Nutritional Status
   - Stress
   - Radiation
   - Transcultural Considerations

### Required Readings

- Ignatavicius & Workman: Chap. 57, pp. 1243-1254
  Chap. 58, pp. 1265-1279
- LeFever Kee: pp. 216-17
- Dudek: Chap. 17 pp. 477-528
- Abrams: Chap. 56-57, 59, 62

## Related Learner Experiences

## Clinical Objectives

Upon completion of this clinical day the learner will be able to:

1. Perform a nursing assessment
2. Analyze data.
3. Formulate nursing diagnosis.
4. Prioritize nursing diagnoses.
5. Formulate a plan to achieve client outcomes.
6. Implement a plan.
7. Evaluate client outcomes.
8. Communicate and collaborate with the client, family, and healthcare providers.
9. Teach client:
   a. Preventative health strategies
   b. Health maintenance
      i. Dietary
      ii. Medication use
      iii. Lifestyle modifications.
<table>
<thead>
<tr>
<th>Learner Objectives</th>
<th>Content Outline</th>
<th>Related Learner Experiences</th>
<th>Clinical Objectives</th>
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</thead>
</table>
| 3. Describe the nursing assessment in meeting the needs of a client who has gastric disorders. | 3.1 **ASSESSMENT**  
   A. Nursing History  
   B. Physical Assessment  
   C. Diagnostic/Lab Tests  
      1. CBC  
      2. GI Series  
      3. Esophagastroduodenoscopy (EGD)  
   D. Transcultural Considerations | | |
| 4. Identify nursing diagnoses for a client who has gastric disorders. | 4.1 **NURSING DIAGNOSES**  
   A. Pain: Acute/Chronic  
   B. Ineffective Therapeutic  
   C. Imbalanced nutrition: Less Than Body Requirements | | |
| 5. Develop a plan of care to meet the needs of client who has gastric disorders. | 5.1 **PLANNING**  
   A. Expected Outcome Criteria  
   B. Health Promotion Activities  
   C. Therapeutic Interventions  
   D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet the client’s need who has gastric disorders. | 6. **IMPLEMENTATION**  
   6.1 Independent Activities  
      A. Health promotion  
   6.2 Collaborative Activities  
      A. Medications  
      1. Antibiotics  
      2. Histamine H2 Receptor Antagonists  
         a. Cimetidine (Tagamet)  
         b. Ranitidine (Zantac) | | |
## Learner Objectives

1. (Cont)
   
2. Evaluate the plan of care for a client who has gastric disorders.

## Content Outline

- c. Famotidine (Pepcid)
- d. Nizatenedine (Axid)
- 3. Antacids
- 4. Proton Pump Inhibitors
  - a. Omeprazole (Prilosec)
  - b. Esomeprazole (Nexium)
- 5. Anticholinergic
- 6. Muscosal Barrier Fortifiers
  - a. Sucralfate (Carafate)
- 7. Vitamin B₁₂ Supplementation

## Related Learner Experiences

- E. Procedures/Treatments
  - 1. N/G tube Placement
  - 2. IV therapy
  - 3. Physical/Emotional Rest
  - 4. Surgery
    - a. Vagotomy
    - b. Subtotal Gastrectomy
    - c. Total Gastrectomy
- F. Referral/Community Resources
- G. Discharge Planning

## Clinical Objectives

### EVALUATION

- 7.1 Evaluation of Outcome Criteria
- 7.2 Revision of Plan
Learner Objectives | Content Outline | Related Learner Experiences | Clinical Objectives
---|---|---|---
Upon completion of the unit the learner will be able to:

1. Describe inflammatory and non inflammatory intestinal disorders:
   A. Inflammatory Intestinal Disorders:
   B. Ulcerative Colitis
   C. Crohn’s Disease
   D. Diverticulosis
   E. Diverticulitis

2. Identify adaptive responses in the development of an intestinal disorder.

### 1.1 OVERVIEW
- Definition
- Pathophysiology
- Etiological factors
- Classifications
  1. Acute
  2. Chronic
     a. Irritable Bowel Syndrome
     b. Crohn’s Disease
     c. Ulcerative Colitis
     d. Diverticular Disease
- Complications
  1. Hemorrhage
  2. Perforation/peritonitis
  3. Abscess formation
  4. Toxic Megacolon
  5. Bowel obstruction
  6. Malabsorption
  7. Fistulas
  8. Increase Risk for Colon Cancer

### 2.1 FACTORS AFFECTING THE DEVELOPMENT OF INTESTINAL DISORDERS
- Age
- Sex
- Nutritional Status
- Genetic Predisposition
- Psychological Factors

### Required Readings
- Ignatavicius & Workman: Chap. 59, pp. 1289-1291, 1302-1306 Chap. 60, pp. 1317-1337
- LeFever Kee: pp. 16-19, 365-366
- Dudek: Chap. 17
- Abrams: Chap. 60-61

Upon completion of this clinical day the learner will be able to:

1. Perform a nursing assessment
2. Analyze data.
3. Formulate nursing diagnosis.
4. Prioritize nursing diagnoses.
5. Formulate a plan to achieve client outcomes.
6. Implement a plan.
7. Evaluate client outcomes.
8. Communicate and collaborate with the client, family, and healthcare providers.
9. Teach client:
   a. Preventative health strategies
   b. Health maintenance
      i. Dietary
      ii. Medication use
      iii. Lifestyle modifications.
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| 3. Describe the nursing assessment in meeting the needs of a client who has an intestinal disorder. | **3.1 ASSESSMENT**  
A. Nursing History  
B. Physical Assessment  
C. Diagnostic/Lab Tests  
1. Serum Studies  
a. CBC  
b. Electrolytes  
c. Protein  
2. Stool Studies  
a. Occult Blood  
3. Barium Enema  
4. Colonoscopy  
D. Transcultural Considerations | | |
| 4. Identify nursing diagnoses for a client who has an intestinal disorder | **4.1 NURSING DIAGNOSES**  
A. Pain: Acute/Chronic  
B. Diarrhea  
C. Impaired Skin Integrity  
D. Ineffective Management of Therapeutic Regimen  
E. Imbalanced nutrition: Less Than Body Requirements  
F. Impaired Body Image | | |
| 5. Develop a plan of care to meet the needs of client who has an intestinal disorder. | **4.1 PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations | | |
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</table>
| 6. Implement a plan of care to meet the client’s need who has an intestinal disorder. | **6. IMPLEMENTATION**  
6.1 Independent Activities  
A. Health promotion  
6.2 Collaborative Activities  
A. Medications  
1. Salicylate compounds  
   a. (Asocol)  
2. Corticosteroids  
3. Anticholinergics  
4. Antidiarrheals  
   a. Lomotil  
5. Immunosuppressive  
   a. Imuran  
B. Procedures/Treatments  
1. Diet Therapy  
2. Rest  
3. Surgery  
   a. Protocolectomy with Permanent or Continent Ileostomy or Ileoanal Reservoir  
C. Referral/Community Resources  
D. Discharge Planning | | |
| 7. Evaluate the plan of care for a client who has an intestinal disorder. | **7. EVALUATION**  
7.1 Evaluation of Outcome Criteria  
7.2 Revision of Plan | | |
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<td>Upon completion of the unit the learner will be able to:</td>
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| 1. Describe disorders of the liver and pancreas | **1.1 OVERVIEW**
A. Definition
B. Pathophysiology
C. Etiological Factors
D. Classifications
   1. Hepatitis A, B, C, D, E
   2. Acute Cholecystitis
   3. Chronic Cholecystitis
   4. Acute Pancreatitis
   5. Chronic Pancreatitis
E. Complications
   1. Chronic Persistent Hepatitis
   2. Portal Hypertension
   3. Ascites
   4. Hepatitis Encephalopathy
   5. Coagulation Defects
   6. Cancer
   7. Shock | **Required Readings**
Ignatavicius & Workman: Chap. 61, pp. 1344-1360
Chap. 62, pp. 1366-1379
Dudek: Chap. 17
Abrams: Chap. 56-57 | **College Lab #7**
Upon completion of this college lab the student will via case study and simulation: | 
| 2. Identify adaptive responses for a client who has disorders of the liver and pancreas. | **2.1 FACTORS AFFECTING THE DEVELOPMENT OF DISORDERS OF THE LIVER AND PANCREAS**
A. Age
B. Sex
C. Nutritional Status
D. Lifestyle
E. Transcultural Consideration | | 1. Identify risk factor for a client with complications of cirrhosis.
2. Interpret laboratory test findings commonly seen in clients who have cirrhosis and complications of cirrhosis.
3. Identify emergency interventions for the client with bleeding esophageal varices
4. Identify the priority nursing diagnoses.
5. Evaluate the care with cirrhosis. |
### Learner Objectives

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<th>Clinical Objectives</th>
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</thead>
</table>
| 3. Describe the nursing assessment in meeting the needs of a client who has disorders of the liver and pancreas. | **3.1 ASSESSMENT**  
A. Nursing History  
B. Physical Assessment  
C. Diagnostic/Lab Tests  
1 Serologic Markers  
2 Coagulation Studies  
3 Liver Function Studies  
a. Transaminases  
   i. AST  
   ii. ALT  
   iii. GGT  
b. Alkaline Phosphatase  
c. Protein  
d. Serum Protein  
e. Total Serum Bilirubin  
f. Urinary Bilirubin  
g. Urinary Urobilinogen  
4 Liver Scan  
5 Liver Biopsy  
6 Pancreatic Enzymes  
a. Serum Amylase  
b. Serum Lipase  
D. Transcultural Considerations | | | |
| 4. Identify nursing diagnoses for a client who has disorders of the liver and pancreas. | **4.1 NURSING DIAGNOSES**  
A. Imbalanced Nutrition: Less Than Body Requirements  
B. Activity Intolerance  
C. Risk for Infection  
D. Excess Fluid Volume  
E. Deficient Fluid Volume  
F. Ineffective Tissue Perfusion, Gastrointestinal | | | |
### Learner Objectives

5. Develop a plan of care to meet the needs of client who has disorders of the liver and pancreas.

6. Implement a plan of care to meet the client’s need who has disorders of the liver and pancreas.

### Content Outline

#### 5.1 PLANNING

- **A. Expected Outcome Criteria**
- **B. Health Promotion Activities**
- **C. Therapeutic Interventions**
- **D. Legal/Ethical Considerations**

#### 6. IMPLEMENTATION

6.1 Independent Activities

- **A. Health promotion**

6.2 Collaborative Activities

- **A. Medications**
  1. Antiemetics
     - a. Trimethobenzamide Hydrochloride (Tigan)
     - b. Diphenhydramine (Dramamine)
  2. Antiviral Agents
     - a. Interferon
     - b. Ribavirin
  3. Immunoglobins
     - a. Hepatitis B Immunoglobulin
  4. Viral Vaccines
     - a. Hepatitis A Vaccine
     - b. Hepatitis B Vaccine
       - i. Energix-B
       - ii. Recombivax- HB
  5. Vitamins -B Complex, K
  6. Diuretics
  7. Ammonia Detoxicants
     - a. Lactulose
  8. Analgesics
  9. Pancreatic Enzymes
  10. Insulin
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<td>6. (Cont)</td>
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| 7. Evaluate the plan of care for a client who has an intestinal disorder. | B. Procedures/Treatments  
1. Nutritional therapy  
2. Balloon Tampanade  
3. Paracentesis  
4. Portocaval shunt  
5. Transplantation  
C. Referral/Community Resources  
D. Discharge Planning |                             |                     |
| 7. EVALUATION      | 7.1 Evaluation of Outcome Criteria  
7.2 Revision of Plan |                             |                     |
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<td>Upon completion of the unit the learner will be able to:</td>
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<td>Required Readings</td>
<td>Upon completion of this clinical day the learner will be able to:</td>
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<tr>
<td><strong>2.</strong> Identify adaptive responses for a client undergoing surgery.</td>
<td><strong>2.1 RELATED FACTORS</strong>&lt;br&gt;A. Age&lt;br&gt;B. Nutritional Status&lt;br&gt;C. General Health&lt;br&gt;D. Prior Surgical Experiences</td>
<td>Abrams:&lt;br&gt;Chaps. 6, 8, 20&lt;br&gt;Dudek:&lt;br&gt;Chap. 16&lt;br&gt;pp. 477-486&lt;br&gt;CAI:&lt;br&gt;1. Pre and post operative surgical care</td>
<td><strong>College Lab # 8</strong>&lt;br&gt;Upon completion of this college lab the student will via case study and simulation:</td>
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<td>Video to be viewed by student in the&lt;br&gt;1. Patient Controlled Analgesia # 858&lt;br&gt;2. Preoperative and Postoperative Care # 405</td>
<td>1. Explain the concept perioperative nursing.&lt;br&gt;2. Describe the phases of the perioperative period.&lt;br&gt;3. Identify the components of a comprehensive preoperative assessment.&lt;br&gt;4. Identify personal factors that increase the clients and family members about what to expect during the surgical experience.&lt;br&gt;5. Use effective communication when teaching clients and family members about what to expect during the surgical experience.</td>
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</table>
| 3. Describe the nursing assessment of a client during the perioperative period. | **3.1 ASSESSMENT**  
A. Nursing History  
B. Physical Assessment  
C. Diagnostic/Lab Tests  
1 Urinalysis  
2 Chest X-Ray  
3 Pulmonary Studies  
4 EKG  
5 Serum Studies  
a. CBC  
b. Electrolytes  
c. PT, PTT, INR  
d. Liver Function Studies  
e. Type & Cross-Match  
f. Pregnancy Test  
D. Transcultural Considerations | | 6. Describe essential preoperative teaching, including pain control, leg exercise activity, and coughing and deep breathing exercises.  
7. Identify pertinent nursing diagnoses for surgical clients.  
8. Describe the nurse's role and the legal implications and proper procedures for obtaining informed consent.  
9. Identify interventions to ensure the client’s safety and dignity during an operative procedure.  
10. Discuss the potential adverse reactions and complications of anesthetic agents.  
11. Describe the various forms of anesthesia and potential risks. Recognize clinical manifestations of malignant hyperthermia.  
12. Identify various intraoperative positions and the postoperative complications associated with them.  
13. Prioritize nursing interventions for the client recovering from surgery and anesthesia in the PACU and during the first 24-hours post-operatively.  
15. Identify nursing implications for pain management of the surgical client.  
16. Compare actions, side effects, and nursing implications for different types of drug therapy for pain management.  
17. Evaluate effectiveness of perioperative nursing care. |
| 4. Identify nursing diagnoses to meet the needs of a perioperative client. | **4.1 NURSING DIAGNOSES**  
A. Deficient Knowledge  
B. Anxiety  
C. Risk for Perioperative Positioning Injury  
D. Impaired Tissue Integrity  
E. Risk for Infection  
F. Ineffective Thermoregulation  
G. Deficient Fluid Volume  
H. Delayed Surgical Recovery | | |
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| 5. Develop a plan of care to meet the needs of a perioperative client. | 5.1 **PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
   1. Pre-op Teaching  
   2. Dietary Restrictions  
   3. Skin Preparation  
   4. Administering Regularly Scheduled Medication  
5. Medications  
   a. Anti-Anxiety  
   b. Anticholinergic  
   c. Analgesics  
   d. Antibiotics  
   e. Plasma expanders  
6. Post-Operative Procedures & Exercises  
D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet the needs of a perioperative client. | 6. **IMPLEMENTATION**  
6.1 Independent Activities  
   A. Health promotion  
6.2 Collaborative Activities  
   A. Medications  
   B. Anesthesia  
   1. General Anesthesia  
      a. Intravenous Induction Agents  
      b. Inhalation Agents  
      c. Local Anesthesia  
      d. Regional Anesthesia  
      e. Conscious Sedation | | |
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<td>6. (Cont)</td>
<td>C. Procedures/Treatments</td>
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<td></td>
<td>1. Positioning</td>
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<td>2. Wound Care</td>
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<td></td>
<td>3. Management of Tubes and Drains</td>
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<td>4. Pain Management</td>
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<td>5. Patient Controlled Analgesia (PCA)</td>
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<td>7. Evaluate the plan of care</td>
<td>D. Referral/Community Resources</td>
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<td>for a perioperative client.</td>
<td>E. Discharge Planning</td>
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<td>F. Transcultural Considerations</td>
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<td>7. <strong>EVALUATION</strong></td>
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<td>2. Identify adaptive responses for a client undergoing abdominal surgical interventions.</td>
<td>2.1 <strong>RELATED FACTORS</strong>&lt;br&gt;A. Age&lt;br&gt;B. Sex&lt;br&gt;C. Chronic Illness&lt;br&gt;D. Genetics&lt;br&gt;E. Transcultural Considerations</td>
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<tr>
<td>3. Describe the nursing assessment in meeting the needs of a client undergoing abdominal surgical interventions</td>
<td>3.1 <strong>ASSESSMENT</strong>&lt;br&gt;A. Nursing History&lt;br&gt;B. Physical Assessment&lt;br&gt;C. Diagnostic/Lab Tests&lt;br&gt;1. WBC&lt;br&gt;2. Blood Culture&lt;br&gt;3. Abdominal X-Ray&lt;br&gt;4. Peritoneal Aspiration&lt;br&gt;5. Ultrasound&lt;br&gt;6. Cat Scans/MRI&lt;br&gt;7. Colonoscopy&lt;br&gt;D. Transcultural Considerations</td>
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**Required Readings**


Abrams:<br>Chaps. 6

Dudek:<br>Chap. 17
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</table>
| 4. Identify nursing diagnoses of a client undergoing abdominal surgical interventions. | 4.1 **NURSING DIAGNOSES**  
A. Pain  
B. Risk for Infection  
C. Deficient Fluid Volume | CAI:  
Clinical Simulation in Medical Surgical Nursing 1 (CD)  
1. Abdominal Pain  
2. Surgical Patient with Abdominal Pain | |
| 5. Develop a plan of care to meet the needs of a client undergoing abdominal surgical interventions. | 5.1 **PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet the needs of a client undergoing abdominal surgical interventions. | 6. **IMPLEMENTATION**  
6.1 Independent Activities  
A. Health promotion | | |
| | 6.2 Collaborative Activities  
A. Medications  
1. Antibiotics  
2. Analgesics  
3. Antiemetics  
B. Procedures/Treatments  
1. Surgery  
2. Sitz Bath  
3. Disimpaction  
4. Lithotripsy  
C. Referrals/Community Resources  
D. Discharge Planning | | |
| 7. Evaluate the plan of care of a client undergoing abdominal surgical interventions. | 7. **EVALUATION**  
7.1 Evaluation of Outcome Criteria  
7.2 Revision of Plan | | |
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<td>Upon completion of this clinical day the learner will be able to:</td>
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| 1. Discuss Diabetes Mellitus. | 1.1 **OVERVIEW**  
A. Definition  
B. Pathophysiology  
C. Etiological factors  
D. Classifications  
1. Type 1  
2. Type 2  
3. Gestational  
E. Complications  
1. Acute  
   a. Hyperglycemia  
   b. Hyperglycemic Hyperosmolar Nonketotic Syndrome (HNNK)  
   c. Diabetic Ketoacidosis (DKA)  
   d. Hypoglycemia  
2. Chronic  
   a. Macrovascular  
      i. Cardiovascular Disease  
      ii. Peripheral Vascular Disease  
      iii. Cerebrovascular Disease  
   b. Microvascular  
      i. Retinopathy  
      ii. Nephropathy  
      iii. Neuropathy  
   iv. Male Erectile Dysfunction |  
**Required Readings**  
Ignatavicius & Workman:  
Chap. 67, pp. 1465-1518  
LeFever Kee:  
pp. 200-209, 222-223  
Dudek:  
Chap. 19, pp. 570-603  
Abrams:  
Chap. 26 | 1. Perform a nursing assessment  
2. Analyze data.  
3. Formulate nursing diagnosis.  
4. Prioritize nursing diagnoses.  
5. Formulate a plan to achieve client outcomes.  
6. Implement a plan.  
7. Evaluate client outcomes.  
8. Communicate and collaborate with the client, family, and healthcare providers.  
9. Teach client:  
   a. Preventative health strategies  
   b. Health maintenance  
      i. Dietary  
      ii. Medication use  
      iii. Lifestyle modifications. |
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<td>2. Identify adaptive responses in the development of diabetes mellitus.</td>
<td><strong>2.1 FACTORS AFFECTING THE DEVELOPMENT OF DIABETES MELLITUS</strong>&lt;br&gt;A. Age&lt;br&gt;B. Nutritional Status&lt;br&gt;C. Obesity&lt;br&gt;D. Genetics&lt;br&gt;E. Hypertension&lt;br&gt;F. Transcultural Considerations</td>
<td>CAI:&lt;br&gt;1. Clinical Simulation in Med-Surg 111 (CD)&lt;br&gt;2. Diabetic Foot Care</td>
<td><strong>College Lab # 9</strong>&lt;br&gt;Upon completion of this college lab the student will via case study and simulation:&lt;br&gt;1. Describe the pathophysiology of diabetes mellitus.&lt;br&gt;2. Identify risk factors for diabetes mellitus and diagnostic tests to diagnose and monitor the disease.&lt;br&gt;3. Identify the relationship between diabetes medication and disease progression.&lt;br&gt;4. Correctly calculate and prepare doses of insulin.&lt;br&gt;5. Describe micro and macrovascular complications of diabetes mellitus.&lt;br&gt;6. Identify risk factors for diabetic ketoacidosis (DKA).&lt;br&gt;7. Describe manifestations of DKA including relevant lab data.&lt;br&gt;8. Explain the relationship between chronic disease states and diabetes mellitus management and DKA.&lt;br&gt;9. Explain hyperosmolar coma (HHNK)&lt;br&gt;10. Describe the risks for and management of HHNK including relevant lab data.&lt;br&gt;11. Develop a teaching plan for a client who has diabetes mellitus, including strategies to prevent complications.</td>
</tr>
<tr>
<td>Learner Objectives</td>
<td>Content Outline</td>
<td>Related Learner Experiences</td>
<td>Clinical Objectives</td>
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</tbody>
</table>
| 4. Identify nursing diagnoses of a client who has diabetes mellitus. | **4.1 NURSING DIAGNOSES**  
A. Imbalanced Nutrition: Less Than Body Requirements  
B. Risk for Infection  
C. Ineffective Health Maintenance  
D. Ineffective Therapeutic Regimen Management  
E. Disturbed Body Image  
F. Ineffective Tissue Perfusion  
G. Sexual Dysfunction | | |
| 5. Develop a plan of care to meet the needs of a client who has diabetes mellitus. | **5.1 PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet the needs of a client who has diabetes mellitus. | **6. IMPLEMENTATION**  
6.1 Independent Activities  
A. Health promotion  
B. Health Teaching  
6.2 Collaborative Activities  
A. Medications  
1. Oral agents  
   a. Sulfonylureas  
   b. D-Phenylalanine Derivates  
   c. Biguanides  
   d. Alpha glucosidase Inhibitors  
   e. Thiazolidinediones | | |
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| 6. (Con’t)         | 2. Insulin Therapy  
|                    | a. Rapid-acting (Humalog) |                             |                     |
|                    | b. Short-acting (Regular) |                             |                     |
|                    | c. Intermediate-acting (NPH, Lente) |                             |                     |
|                    | d. Long-acting (Ultra-Lente, Lantus) |                             |                     |
|                    | e. Combination Insulins |                             |                     |
|                    | B. Procedures/Treatments  
<p>|                    | 1. Lifestyle Modifications |                             |                     |
|                    | 2. Nutrition Therapy |                             |                     |
|                    | 3. Drug Therapy |                             |                     |
|                    | 4. Exercise Therapy |                             |                     |
|                    | 5. Surgery |                             |                     |
|                    | C. Referrals/Community Resources |                             |                     |
|                    | D. Discharge Planning |                             |                     |
|                    | 7. EVALUATION |                             |                     |
|                    | 7.1 Evaluation of Outcome Criteria |                             |                     |
|                    | 7.2 Revision of Plan |                             |                     |</p>
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<tr>
<td>Upon completion of the unit the learner will be able to:</td>
<td>1.1 <strong>OVERVIEW</strong></td>
<td>Review Bio 11&amp;12</td>
<td>Upon completion of this clinical day the learner will be able to:</td>
</tr>
<tr>
<td>1. Review the structure and function of the endocrine system.</td>
<td>A. Major Endocrine Glands and Hormones</td>
<td>Ignatavicius &amp; Workman:</td>
<td>1. Perform a nursing assessment</td>
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<tr>
<td></td>
<td>1. Adrenal</td>
<td>Chap. 64, pp. 1412-1424</td>
<td>2. Analyze data.</td>
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<td>4. Pancreas</td>
<td>LeFever Kee:</td>
<td>5. Formulate a plan to achieve client outcomes.</td>
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<td></td>
<td>a. Definition</td>
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<td>8. Communicate and collaborate with the client, family, and healthcare providers.</td>
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<td>b. Pathophysiology</td>
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<td>9. Teach client:</td>
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<td>c. Etiological Factors</td>
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<td>a. Preventative health strategies</td>
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<td>d. Types</td>
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<td>b. Health maintenance</td>
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<td>e. Complications</td>
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<td>i. Dietary</td>
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<td>2. Thyroid Disorders</td>
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<td>ii. Medication use</td>
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<td>a. Definition</td>
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<td>iii. Lifestyle modifications.</td>
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<td>b. Pathophysiology</td>
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<tr>
<td>2. Identify adaptive responses for a client who has an endocrine disorder.</td>
<td>2.1 <strong>FACTORS AFFECTING THE DEVELOPMENT OF ENDOCRINE DISORDERS</strong>&lt;br&gt;A. Age&lt;br&gt;B. Nutritional Status&lt;br&gt;C. Elimination Patterns&lt;br&gt;D. Activity/Exercise&lt;br&gt;E. Sleep/Rest&lt;br&gt;F. Drug Therapy&lt;br&gt;G. Surgery&lt;br&gt;H. Chronic Diseases&lt;br&gt; 1. Cardiac&lt;br&gt; 2. Renal&lt;br&gt; 3. Diabetes&lt;br&gt; I. Trancultural Considerations</td>
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<tr>
<td>3. Describe the nursing assessment in meeting the needs of a client who has an endocrine disorder.</td>
<td>3.1 <strong>ASSESSMENT</strong>&lt;br&gt;A. Nursing History&lt;br&gt;B. Physical Assessment&lt;br&gt;C. Diagnostic/Lab Tests&lt;br&gt; 1. Serum T3&amp;T4&lt;br&gt; 2. TSH levels&lt;br&gt; 3. Thyroid Antibody Testing&lt;br&gt; 4. Radioactive Iodine Uptake&lt;br&gt; 5. Thyroid Scan&lt;br&gt; 6. CT scans &amp; MRI&lt;br&gt; 7. EKG&lt;br&gt; 8. ACTH- Stimulation Test&lt;br&gt;D. Transcultural Considerations</td>
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<td>4. Identify nursing diagnoses of a client for a client who has an endocrine disorder.</td>
<td>4.1 <strong>NURSING DIAGNOSES</strong></td>
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<tr>
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<td>A. Activity Tolerance</td>
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<td>B. Imbalanced Nutrition: Less Than Body Requirements</td>
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<td>C. Ineffective</td>
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<td>D. Constipation</td>
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<td>E. Risk for Infection</td>
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<td>F. Disturbed Body Image</td>
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<td>G. Sexual Dysfunction</td>
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<td>5. Develop a plan of care to meet the needs of a client for a client who has an endocrine disorder.</td>
<td>1.1 <strong>PLANNING</strong></td>
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<td>A. Expected Outcome Criteria</td>
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<td>B. Health Promotion Activities</td>
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<td>C. Therapeutic Interventions</td>
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<td>D. Legal/Ethical Considerations</td>
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<td>6. Implement a plan of care to meet the needs of a client for a client who has an endocrine disorder.</td>
<td>6. <strong>IMPLEMENTATION</strong></td>
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<td>6.1 Independent Activities</td>
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<td>A. Health Promotion</td>
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<td>6.2 Collaborative Activities</td>
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<td>A. Medications</td>
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<td>1. Thyroid</td>
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<td>a. Iodine</td>
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<td>b. Beta Blockers</td>
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<td>c. Thyroxine</td>
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<td>d. Anti Thyroid Medications</td>
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<td>6. (Con’t)</td>
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|                    | B. Procedures/Treatments  
|                    | 1. Radiation 
|                    | 2. Surgery 
|                    | C. Referrals/Community Resources  
|                    | D. Discharge Planning |                             |                     |
| 7. Evaluate the plan of care of a client who has diabetes mellitus. | 7. Evaluation of Outcome Criteria  
|                    | 7.1 Evaluation of Outcome Criteria  
|                    | 7.2 Revision of Plan |                             |                     |
|                    | 7. EVALUATION |                             |                     |
### Learner Objectives

Upon completion of the unit the learner will be able to:

1. Review the structure and function of the urinary system.
2. Discuss common genitourinary disorders
   - A. Infections
   - B. Renal Calculi
   - C. Nephrotic Syndrome

### Content Outline

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<tr>
<th>1.1 OVERVIEW</th>
<th>1.2 COMMON GENITOURINARY DISORDERS</th>
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<td>A. Definition</td>
<td>A. Disorders of the Urinary System</td>
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<tr>
<td>B. Pathophysiology</td>
<td>1. UTI, Cystitis</td>
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<td>C. Etiological factors</td>
<td>2. Pylonephritis</td>
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<td>D. Classifications</td>
<td>3. Urethritis</td>
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<td>4. Nephrotic Syndrome</td>
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<td></td>
<td>5. Urolithiasis-Renal Calculi</td>
</tr>
</tbody>
</table>

### Related Learner Experiences

- Review Bio 11&12
- Ignatavicius & Workman:
  - Chap. 68, pp. 1526-1549
  - Chap. 69, pp. 1550-1579
  - Chap. 70, pp. 1586-1590
- LeFever Kee:
  - pp. 430-436, 652-655 34-5
- Dudek:
  - Chap. 20 pp. 605-633

### Clinical Objectives

Upon completion of this clinical day the learner will be able to:

1. Perform a nursing assessment
2. Analyze data.
3. Formulate nursing diagnosis.
4. Prioritize nursing diagnoses.
5. Formulate a plan to achieve client outcomes.
6. Implement a plan.
7. Evaluate client outcomes.
8. Communicate and collaborate with the client, family, and healthcare providers.
9. Teach client:
   a. Preventative health strategies
   b. Health maintenance
      i. Dietary
      ii. Medication use
      iii. Lifestyle modifications.
### Learner Objectives

3. Identify adaptive responses for a client who has a genitourinary disorder.

4. Describe the nursing assessment in meeting the needs of a client who has a genitourinary disorder.

<table>
<thead>
<tr>
<th>Learner Objectives</th>
<th>Content Outline</th>
<th>Related Learner Experiences</th>
<th>Clinical Objectives</th>
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</thead>
</table>
| 3. Identify adaptive responses for a client who has a genitourinary disorder. | 3.1 FACTORS AFFECTING URINARY FUNCTIONING  
A. Age  
B. Elimination Patterns  
C. Nutritional Status  
D. Activity/Exercise Patterns  
E. Drug Therapy  
F. Chronic Diseases | | |
| 4. Describe the nursing assessment in meeting the needs of a client who has a genitourinary disorder. | 4.1 ASSESSMENT  
A. Nursing History  
B. Physical Assessment  
C. Diagnostic/Lab Tests  
   1. Urinalysis & Cultures  
   2. Blood Chemistries  
   3. Radiological Procedures  
   4. Renal Radio-Nuclide Imaging  
   5. Endoscopy/Cystoscopy  
   6. Urodynamics  
   7. Invasive Procedures  
   8. Stone Analysis  
   9. KUB X-Rays  
   10. Intravenous Pylogram (IVP)  
D. Transcultural Considerations | | |
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</table>
| 5. Identify nursing diagnoses of a client for a client who has a genitourinary disorder. | **5.1 NURSING DIAGNOSES**  
A. Pain  
B. Impaired Urinary Elimination  
C. Risk for Infection  
D. Ineffective Tissue Perfusion: Renal  
E. Disturbed Body Image | | |
| 6. Develop a plan of care to meet the needs of a client for a client who has a genitourinary disorder. | **6.1 PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations | | |
| 7. Implement a plan of care to meet the needs of a client for a client who has a genitourinary disorder. | **7. IMPLEMENTATION**  
7.1 Independent Activities  
A. Health Promotion  
7.2 Collaborative Activities  
A. Medications  
1. Antimicrobial agents  
   a. Sulfamethoxazole  
   b. Nitrofurantoin  
   c. Fluoroquinolones  
   d. Metronidazole  
2. Phenazopyridine  
3. Antispasmodics | | |
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</table>
| 7. (Con’t)         | B. Procedures/Treatments  
                   1. Drug therapy  
                   2. Nutritional therapy  
                   Surgery  
                   3. Lithotripsy  
                   4. Nephrolithotomy  
                   5. Pyelolithotomy  
                   C. Referrals/Community Resources  
                   D. Discharge Planning |
|                    |                |                             |                     |
| 8. Evaluate the plan of care of a client who has a genitourinary disorder. | | | |
| 8. **EVALUATION** | 8.1 Evaluation of Outcome Criteria  
                    8.2 Revision of Plan |
|                    | | | |
### Learner Objectives

Upon completion of the unit the learner will be able to:

1. Discuss renal failure.
2. Identify adaptive responses for a client who has a renal failure.
3. Describe the nursing assessment in meeting the needs of a client who has a renal failure.

### Content Outline

1. **OVERVIEW OF RENAL FAILURE**
   - Definition
   - Pathophysiology
   - Etiological factors
   - Classifications
     1. Acute Renal Failure
     2. Chronic Renal Failure
   - Complications

2. **FACTORS AFFECTING ONSET OF RENAL FAILURE**
   - Age
   - Chronic Disease
   - Drug Therapy
   - Lifestyles
   - Transcultural Considerations

3. **ASSESSMENT**
   - Nursing History
   - Physical Assessment
   - Diagnostic/Lab Tests
     1. Renal Ultrasound
     2. Renal Scan
     3. CAT Scan
     4. Blood Chemistry
        a. BUN, Creatinine
     5. Urinalysis and Urine Culture
     6. Complete Blood Count
   - Transcultural Considerations

### Related Learner Experiences

**Required Readings**

Ignatavicius & Workman: Chap 71, pp. 1600-1636

Video to be viewed by students in the Media Center

1. Acute and Chronic Renal Failure #1178

### Clinical Objectives

**College Lab # 10**

Upon completion of this college lab the student will via case study and simulation:

1. Describe chronic renal failure (CRF).
2. Identify clients at risk for the development of CRF.
3. Identify the three basic stages of CRF.
4. Use laboratory data and clinical assessment to determine the effectiveness of therapy for renal failure.
5. Prioritize nursing care for the client with end-stage renal disease.
6. Discuss the mechanisms for peritoneal dialysis and hemodialysis as replacement therapy.
7. Prioritize teaching needs for the client with peritoneal dialysis.
8. Discuss the criteria for kidney donation.
9. Prioritize nursing care for the client during the first 24-hours after kidney transplantation.
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</thead>
</table>
| 4. Identify nursing diagnoses for a client who has renal failure. | **4.1 NURSING DIAGNOSES**  
A. Risk for Imbalanced Fluid Balance  
B. Impaired Skin Integrity  
C. Risk for Injury  
D. Activity Intolerance  
E. Impaired Urinary Elimination  
F. Imbalanced Nutrition: Less than Body Requirements  
G. Disturbed Body Image | | |
| 5. Develop a plan of care to meet the needs for a client who has renal failure. | **5.1 PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet the needs of a client who has renal failure. | **6. IMPLEMENTATION**  
6.1 Independent Activities  
A. Health Promotion  
6.2 Collaborative Activities  
A. Medications  
1. Diuretics  
2. Cardiotonics  
3. Vitamins & Minerals  
4. Phosphate Binders  
5. Stool Softeners & Laxatives | | |
### Learner Objectives

6. (Con’t)

7. Evaluate the plan of care for a client who has renal failure

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<td>B. Procedures/Treatments</td>
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<td>1. Drug Therapy</td>
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<td>2. Nutritional therapy</td>
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<td>a. Hemodialysis</td>
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<td>b. Peritoneal</td>
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<td>4. Transplantation</td>
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<td>a. Pre-op/Post-Op Care</td>
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<td>b. Rejection</td>
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<td>C. Referrals/Community Resources</td>
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<td>D. Discharge Planning</td>
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### Related Learner Experiences

7. **EVALUATION**

7.1 Evaluation of Outcome Criteria

7.2 Revision of Plan
### Learner Objectives

Upon completion of the unit the learner will be able to:

1. Discuss local and systemic immune responses.

2. Identify adaptive responses for a client who has an immune response disorder: Inflammation/Infection.

### Content Outline

#### 1.1 OVERVIEW

- **Definition**
- **Cell Injury Response**
  - Local Immune Response
  - Systemic Immune Response
- **Inflammation Response**
- **Infections**
  - Community Acquired
  - Hospital Acquired
    - Nosocomial Infection
- **Antigen-Antibody Interactions**
- **Allergic–Anaphylactic Reactions**

#### 2.1 RELATED FACTORS

- **Age**
- **Sex**
- **Nutritional Status**
- **Genetics**
- **Status of Immune System**
- **Chronic Disease**
- **Environmental Factors**
- **Transcultural Considerations**

### Related Learner Experiences

Review Topics-Nur18, Bio 11, 12, 51

### Required Readings

- **Ignatavicius & Workman:**
  - Chap.19, pp 306-321
  - Chap.22, pp 387-394
  - Chap.25, pp.440-456
- **LeFever Kee:**
  - Chap.25, pp.440-456
- **Abrams:**
  - Chap. 35
  - Chap. 45
- **Dudek:**
  - Chap. 20 pp. 605-633

### Clinical Objectives

Upon completion of the unit the learner will be able to:

1. Perform a nursing assessment
2. Analyze data.
3. Formulate nursing diagnosis.
4. Prioritize nursing diagnoses.
5. Formulate a plan to achieve client outcomes.
6. Implement a plan.
7. Evaluate client outcomes.
8. Communicate and collaborate with the client, family, and healthcare providers.
9. Teach client:
   - Preventative health strategies
   - Health maintenance
     - Dietary
     - Medication use
     - Lifestyle modifications.
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</table>
| 3. Describe the nursing assessment in meeting the needs of a client who has an immune response disorder: Inflammation/Infection. | **3.1 ASSESSMENT**  
A. Nursing History  
B. Physical Assessment  
C. Diagnostic/Lab Tests  
   1. Complete Blood Count  
   2. Culture & Sensitivity of Body Fluids  
   3. Allergy Testing  
D. Legal/Ethical Considerations  
E. Transcultural Considerations | | |
| 4. Identify nursing diagnoses for a client who has an immune response disorder: Inflammation/Infection. | **4.1 NURSING DIAGNOSES**  
A. Risk for Infection  
B. Impaired tissue Integrity  
C. Impaired Physical Mobility  
D. Imbalanced Nutrition: Greater than Body Requirements | | |
| 5. Develop a plan of care to meet the needs of a client who has an immune response disorder: Inflammation/Infection. | **5.1 PLANNING**  
A. Expected Outcome Criteria  
B. Health Promotion Activities  
C. Therapeutic Interventions  
D. Legal/Ethical Considerations | | |
| 6. Implement a plan of care to meet the needs of a client who has an immune response disorder: Inflammation/Infection. | **6. IMPLEMENTATION**  
6.1 Independent Activities  
   A. Health Promotion  
6.2 Collaborative Activities  
   A. Medications  
      1. Anti-Inflammation  
         a. Tetracyclines  
         b. Aminoglycosides | | |
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<td>6. (Con’t)</td>
<td>c. Cephalosporins</td>
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<td></td>
<td>d. Penicillin</td>
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<td>e. Quinolones</td>
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<td>f. Sulfonamides</td>
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<td>2. Anti-Virals</td>
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<td>3. Anti-Histamines</td>
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<td>4. Corticosteroids</td>
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<td>5. Vaccine</td>
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<td>6. Sympathomimetics</td>
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<td>B. Procedures/Treatments</td>
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<td>1. Desensitization</td>
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<td>C. Referrals/Community Resources</td>
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<td>E. Transcultural Considerations</td>
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<td>7. EVALUATION</td>
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<td>7.2 Revision of Plan</td>
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7. Evaluate the plan of care for a client who has an immune response disorder: Inflammation/Infection.
## Learner Objectives

Upon completion of the unit the learner will be able to:

1. Describe concepts related to an immune disorder, Acquired Immune Deficiency Syndrome (AIDS).

2. Identify adaptive responses for a client who has an immune disorder, Acquired Immune Deficiency Syndrome (AIDS).

## Content Outline

### 1.1 Overview

- **Definition**
- **Pathophysiology**
- **Etiological Factors**
- **Complications**
  - Opportunistic Infections

### Related Learner Experiences

- **Review** Bio 11&12

### Required Readings

- Ignatavicius & Workman: Chap. 21, pp. 362-386
- LeFever Kee: pp. 240-249, 730-731
- Dudek: Chap. 21
- Abrams: Chap. 34 -37

## Clinical Objectives

Upon completion of this clinical day the learner will be able to:

1. Perform a nursing assessment
2. Analyze data.
3. Formulate nursing diagnosis.
4. Prioritize nursing diagnoses.
5. Formulate a plan to achieve client outcomes.
6. Implement a plan.
7. Evaluate client outcomes.
8. Communicate and collaborate with the client, family, and healthcare providers.
9. Teach client:
   a. Preventative health strategies
   b. Health maintenance
      i. Dietary
      ii. Medication use
      iii. Lifestyle modifications.
<table>
<thead>
<tr>
<th>Learner Objectives</th>
<th>Content Outline</th>
<th>Related Learner Experiences</th>
<th>Clinical Objectives</th>
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<tbody>
<tr>
<td>3. Describe the nursing assessment in meeting the needs of a client who has an immune disorder, Acquired Immune Deficiency Syndrome (AIDS).</td>
<td><strong>3.1 ASSESSMENT</strong>&lt;br&gt;A. Nursing History&lt;br&gt;B. Physical Assessment&lt;br&gt;C. Diagnostic/Lab Tests&lt;br&gt;  1 HIV Antibody Tests&lt;br&gt;   a. ELISA&lt;br&gt;   b. Western Blot Test&lt;br&gt;  2 HIV-RNA Viral Load Testing&lt;br&gt;  3 CD4 T Cell Count&lt;br&gt;D. Legal/Ethical Considerations&lt;br&gt;E. Transcultural Considerations</td>
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<td>CAI:&lt;br&gt;1. Clinical Simulations in Med Surg III (CD) I – Nursing Management in HIV Testing and Counseling&lt;br&gt;2. Nursing Care of the Patient with Comprised Immunity Series (CD)</td>
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<tr>
<td>4. Identify nursing diagnoses for a client who has an immune disorder, Acquired Immune Deficiency Syndrome (AIDS).</td>
<td><strong>4.1 NURSING DIAGNOSES</strong>&lt;br&gt;A. Ineffective Protection&lt;br&gt;B. Risk for Infection&lt;br&gt;C. Ineffective Health Maintenance&lt;br&gt;D. Imbalanced Nutrition: Less than Body Requirements&lt;br&gt;E. Diarrhea&lt;br&gt;F. Social Isolation</td>
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<td>5. Develop a plan of care to meet the needs of a client who has an immune disorder, Acquired Immune Deficiency Syndrome (AIDS).</td>
<td><strong>5.1 PLANNING</strong>&lt;br&gt;A. Expected Outcome Criteria&lt;br&gt;B. Health Promotion Activities&lt;br&gt;C. Therapeutic Interventions&lt;br&gt;D. Legal/Ethical Considerations</td>
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<td>6. Implement a plan of care to meet the needs of a client who has an immune disorder, Acquired Immune Deficiency Syndrome (AIDS).</td>
<td><strong>6. IMPLEMENTATION</strong></td>
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<td>6.1 Independent Activities</td>
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<td>A. Health Promotion</td>
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<td>6.2 Collaborative Activities</td>
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<td>A. Medications</td>
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<td>1. Anti-Viral</td>
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<td>a. Nucleoside Reverse Transcriptase Inhibitors (NRITs)</td>
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<td>b. Non-Nucleoside Reverse Transcriptase Inhibitors (NNRITs)</td>
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<td>c. Protease Inhibitors</td>
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<td>2. Nutritional Supplements</td>
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<td>B. Procedures/Treatments</td>
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<td>1. Parenteral Nutrition</td>
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<td>C. Referrals/Community Resources</td>
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<td>7. Evaluate the plan of care for a client who has an immune disorder, Acquired Immune Deficiency Syndrome (AIDS).</td>
<td><strong>7. EVALUATION</strong></td>
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## Learner Objectives
Upon completion of the unit the learner will be able to:

1. Discuss common fractures, dislocations, sprains and rotator cuff injuries

2. Identify adaptive responses for a client who has a fracture

## Content Outline

### 1.1 OVERVIEW

- **A. Definition**
- **B. Pathophysiology**
- **C. Etiological Factors**
  - 1. Complete
  - 2. Incomplete
  - 3. Simple
  - 4. Compound
  - 5. Comminuted
- **D. Classifications**
  - 1. Complete
  - 2. Incomplete
  - 3. Simple
  - 4. Compound
  - 5. Comminuted
- **E. Complications**
  - 1. Infections
  - 2. Compartment Syndrome
  - 3. Venous Thrombosis
  - 4. Fat Embolism

### 2.1 RELATED FACTORS

- **A. Age**
- **B. Sex**
- **C. Lifestyle**
- **D. Nutrition**
- **E. Disease**

## Related Learner Experiences

- Review Bio 11&12
- Musculoskeletal system

### Required Readings

- Ignatavicius & Workman: Chap. 20, pp. 328-335
- Chap. 52, pp. 1153-1160, 1164-1167
- Chap. 54, pp. 1178-1209

- LeFever Kee: pp 675-678

- Dudek: Chap. 21

- Abrams: Chap. 6
- Chap. 7
- Chap. 13
- Chap. 57

## Multi-Media shown in class

- 1. Nursing care of the Orthopedic Patient Part I - Casts #812
- 2. Nursing care of the Orthopedic Patient Part II – Traction

## Clinical Objectives
Upon completion of this clinical day the learner will be able to:

1. Perform a nursing assessment
2. Analyze data.
3. Formulate nursing diagnosis.
4. Prioritize nursing diagnoses.
5. Formulate a plan to achieve client outcomes.
6. Implement a plan.
7. Evaluate client outcomes.
8. Communicate and collaborate with the client, family, and healthcare providers.
9. Teach client:
   - a. Preventative health strategies
   - b. Health maintenance
     - i. Dietary
     - ii. Medication use
     - iii. Lifestyle modifications.

## College Lab 11

Upon completion of this college lab the student will via case study and simulation:

1. Explain typical clinical manifestations of a client who has sustained a fractured hip
2. Perform an assessment of the client who has a fractured hip.
3. State the nursing interventions in the client’s care
4. Formulate nursing diagnoses.
5. Describe the nursing care of a client in traction.
**Learner Objectives**

3. Describe the nursing assessment in meeting the needs of a client who has a fracture

4. Identify nursing diagnoses for a client who has a fracture

5. Develop a plan of care to meet the needs of a client who has a fracture

**Content Outline**

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<tr>
<th>3.1 ASSESSMENT</th>
<th>4.1 NURSING DIAGNOSES</th>
<th>5.1 PLANNING</th>
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<tbody>
<tr>
<td>A. Nursing History</td>
<td>A. Risk for Peripheral Neurovascular Dysfunction</td>
<td>A. Expected Outcome Criteria</td>
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<tr>
<td>B. Physical Assessment</td>
<td>B. Impaired Physical Mobility</td>
<td>B. Health Promotion Activities</td>
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<tr>
<td>C. Diagnostic/Lab Tests</td>
<td>C. Pain</td>
<td>C. Therapeutic Interventions</td>
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<tr>
<td>a. X-Ray</td>
<td>D. Risk for Disuse Syndrome</td>
<td>D. Legal/Ethical Considerations</td>
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<tr>
<td>b. CAT Scans</td>
<td>E. Risk for Infection</td>
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<td>c. MRI</td>
<td>F. Ineffective Health Maintenance</td>
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<td>D. Legal/Ethical Considerations</td>
<td>G. Ineffective Therapeutic Regimen Management</td>
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**Related Learner Experiences**

Videos to be viewed by students in Media Center:

1. Traction: Checks and Balances #810
2. Pre and Post Care of the Orthopedic Patient. #1107

**Clinical Objectives**

6. Discuss the pre and post nursing care for a client who has a fractured hip.

7. Discuss potential complications that may develop in a client undergoing a total hip replacement. List interventions that would prevent these complications.

**College Lab #12**

Upon completion of this college lab the student will via case study and simulation:

1. Describe the clinical manifestations associated with the compensatory mechanisms of shock.

2. Identify clients who are at risk for hypovolemic, septic and anaphylactic shock.

3. Use laboratory data and clinical manifestations that will determine the effectiveness of interventions for shock.

4. Explain the basis for intravenous therapy during shock.

5. Describe the mechanisms of action, side effects and nursing implications for the pharmacologic management of shock.

6. Prioritize nursing interventions for the client who is experiencing non-progressive of shock.

7. Evaluate the effectiveness of the nursing interventions.
<table>
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<tr>
<th>Learner Objectives</th>
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</table>
| 6. Implement a plan of care to meet the needs of a client who has a fracture | 6. **IMPLEMENTATION**  
6.1 Independent Activities  
A. Health Promotion  
6.2 Collaborative Activities  
A. Medications  
1. Analgesics/PCA  
2. Anti-Coagulants  
3. Stool Softeners  
B. Procedures/Treatments  
1. Casts  
2. Traction  
3. Surgery  
   a. ORIF  
   b. Prosthesis  
C. Referrals/Community Resources  
1. PT  
2. OT  
3. Rehabilitation  
D. Discharge Planning/Community Resources  
E. Transcultural Considerations | | |
| 7. Evaluate the plan of care for a client who has a fracture | 7. **EVALUATION**  
7.1 Evaluation of Outcome Criteria  
7.2 Revision of Plan | | |