

NURSING 202: ADVANCED PHARMACOLOGY

UNIT V: PHARMACOLOGICAL TREATMENTS AND NURSING CONSIDERATIONS

UNIT OBJECTIVES

AT THE COMPLETION OF THE UNIT, THE STUDENT:

1. Describe major classifications of drugs used in the modern treatment of disease.
2. Describe strategies employed for patient safety during the preparation and administration of medications.
3. Employ critical thinking skills to determine the effectiveness of medication administration on patient outcomes.
4. Define the pharmacological terminology pertinent to specific categories and classifications of medications in relation to commonly occurring diseases.
5. Recognize significant adverse drug reactions, medication side effects, and therapeutic effects.
6. Develop the necessary skills to provide patient education regarding drug therapy.
7. Describe the legal and ethical principles related to medication administration in nursing.
8. Demonstrate competency in performing clinical drug and dosage calculations.

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<p>Unit V: Pharmacological Treatments and Nursing Considerations Theory Hours- 11.5 Clinical Hours- 0</p> <p>I. Mental Health Medications</p> <ol style="list-style-type: none"> a. Drug Therapy for Anxiety Disorder b. Antidepressants c. Drug Therapy for Bipolar Disorders d. Antipsychotics <p>II. Neurological Medications</p> <ol style="list-style-type: none"> a. Drug Therapy for Seizure Disorder b. Drug Therapy for Parkinson’s Disease c. Drug Therapy for Alzheimer’s Disease d. Drug Therapy for Multiple Sclerosis e. Drugs that treat Migraine Headaches <p>III. Complimentary, Alternative, and Integrative Medications</p> <ol style="list-style-type: none"> a. Natural Products and Herbal Therapies b. Integrative Substances <ol style="list-style-type: none"> i. Cannabis <p>IV. Drug Therapy for Cancer</p> <ol style="list-style-type: none"> a. Cytotoxic Chemotherapy Agents b. Noncytotoxic chemotherapy Agents <ol style="list-style-type: none"> i. Hormone Therapy ii. Immunotherapy iii. Targeted Therapy iv. Hematopoietic Growth Factors <p>V. Pain Medications</p> <ol style="list-style-type: none"> a. Nonopioids b. Opioids c. Opioid Antagonists d. Adjunct Therapies e. Anti-Inflammatories 	<p>Interactive Lectures</p> <p>Game-Based Learning: Test Your Knowledge!</p> <p>Game-Based Learning: Kahoot!</p>	<p>Class Preparation: Pharmacology Review</p>	<p>Unit Exam</p> <p>Final Exam</p> <p>Clinical Evaluation</p> <p>Class Preparation</p>

<p>VI. Cardiac Medications</p> <ul style="list-style-type: none"> a. Hypertension <ul style="list-style-type: none"> i. RAAS Suppressants ii. Calcium Channel Blockers iii. Sympatholytic (Antiadrenergics) b. Heart Failure <ul style="list-style-type: none"> i. Diuretics ii. Inotropic Therapy iii. Sympathomimetics iv. Vasopressors d. Coronary Heart Disease <ul style="list-style-type: none"> i. Antilipidemics ii. Antianginals iii. Antidysrhythmics <p>VII. Endocrine Medications</p> <ul style="list-style-type: none"> a. Oral Hypoglycemics b. Insulin c. Hyperglycemics d. Drug Therapy for Thyroid Disorders <p>VIII. Antibiotics</p> <ul style="list-style-type: none"> a. Antibiotic Stewardship b. Antibiotics c. Antiparasites d. Antifungals e. Antivirals <p>IX. Respiratory Medications</p> <ul style="list-style-type: none"> a. Antihistamines b. Sympathomimetics c. Antitussives d. Expectorants e. Mucolytics f. Bronchodilators g. Anti-inflammatories 	<p>Interactive Lecture: Case Study</p> <p>Interactive Lecture: Case Study</p>		
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CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<p>X. GI System Medications</p> <ul style="list-style-type: none"> a. Drug Therapy for Peptic Ulcers b. Drug Therapy for Nausea c. Drug Therapy for Constipation d. Drug Therapy for Diarrhea e. Drug Therapy for IBS f. Drug Therapy for IBD <p>XI. Pharmacology Review</p>	<p>Game Based Learning: Jeopardy Review</p> <p>Game Based Learning: Slido</p>		