
SECTION HEADING

NURS 2255: Pharmacology: A Pathophysiologic Approach II

Description

Pharmacology: A Pathophysiologic Approach II provides an opportunity to synthesize pharmacologic, basic pathophysiologic, and nursing concepts to minimize risk of harm for patients. Promotes use of current information to prevent error and support decision making pertaining to the nervous, urinary, integumentary, endocrine and gastrointestinal systems. Calculation of medication dosages for liquid injections, IV drip rates, IV calculations and dosage problems for infants and children will be addressed.

Credits

2

Prerequisite

Admission to the Associate in Science nursing program and NURS 2130

Corequisite

None

Topics to be Covered

1. Classification of medications
2. Therapeutic effects, side effects, and adverse effects of medications correlated with patient safety issues.
3. Dosage calculation for safe medication management: liquid injections, IV drip rates, IV calculations and Dosage problems for infants and children.
4. Pathophysiology is related to the nervous, urinary, integumentary, endocrine, and gastrointestinal systems as it correlates with pharmacologic therapy.

Learning Outcomes

1. Integrating conceptions of evidence-based practice as they relate to pharmacologic interventions for patient care (QSEN: patient-centered care and Evidence-Based Practice)
2. Identify and examine classifications of medications utilized to manage common disorders. (NLN: Nursing Judgment).
3. Explain knowledge of pathophysiology with principles of pharmacology to facilitate patient safety. (QSEN: Safety).
4. Assess the therapeutic effects, side effects, and adverse effects of classes of medications from a pathophysiologic perspective. (QSEN: Safety).
5. Implement patient-centered care interventions to facilitate safety related to pharmacologic therapy. (NLN: Nursing Judgment).
6. Distinguish priority assessments and interventions that demonstrate clinical judgment and facilitate pharmacologic safety. (QSEN: Safety/NLN: Nursing Judgment).
7. Demonstrates IV and pediatric mathematical calculation with minimal risk for pharmacologic dosage safety through individual performance (QSEN: Safety).

Credit Details

Lecture: 2

Lab: 0

OJT: 0

MnTC Goal Area(s): None