

# Nln Pharmacology Study Guide 2013

Drug	Use and dosage	Side effect	Teaching and labs	contraindication
<b>Naloxone HCl (Narcan)</b>  <input type="checkbox"/> <b>Opioid antagonist.</b>  Onset 1-2 min IV; 2-5 mins. SQ or IM  Duration 1 hr. IV; up to 4 hrs. IM but start to diminish after 30 mins.	<input type="checkbox"/> Competes with opioids at the opiate receptor sites, blocking the effects of the opioids. <input type="checkbox"/> <b>Reverses effects of opiates, including respiratory depression, sedation and hypotension.</b> <input type="checkbox"/> May need given every few hours until the opioids has dropped to a nontoxic level	<b>Side effects:</b> <input type="checkbox"/> Increased BP, HR, hypernea <input type="checkbox"/> tremors, <input type="checkbox"/> hyperventilation, <input type="checkbox"/> drowsiness, <input type="checkbox"/> nervousness <input type="checkbox"/> N/V  <b>Adverse effects/toxicity:</b> <input type="checkbox"/> Hypotension, <input type="checkbox"/> Vtach and Vfib <input type="checkbox"/> convulsion, <input type="checkbox"/> hepatitis <input type="checkbox"/> pulmonary edema,	<input type="checkbox"/> Watch vital signs and respiratory function closely with administration of medication  <input type="checkbox"/> <b>Titrate dose slowly - If too much is given the client will swing from a state of intoxication to one of withdrawal</b>	Avoid use with: <input type="checkbox"/> Known allergy <input type="checkbox"/> Respiratory depression d/t non-opioids <input type="checkbox"/> Substance abuse (may lead to withdrawal symptoms)
<b>Nedocromil (Tilade)</b>  <input type="checkbox"/> <b>Inhaled non-steroidal medication</b> <input type="checkbox"/> anti-inflammatory and antialsthmatic.  (Also available as optic form - for ocular allergic conjunctivitis)	<input type="checkbox"/> asthma prophylaxis NOT for acute asthma attacks <input type="checkbox"/> up to a week for full effectiveness <input type="checkbox"/> Must be taken regularly to be effective	<b>Adverse effect:</b> <input type="checkbox"/> abnormal bitter taste <input type="checkbox"/> N/V, HA, dizziness, sore throat.	<input type="checkbox"/> Rinse mouth after taking medication to avoid dry mouth <input type="checkbox"/> Do not use for acute attack <input type="checkbox"/> Non-compliance is a concern due to bitter taste	Avoid use with: <input type="checkbox"/> acute bronchospasm or status asthmaticus. <input type="checkbox"/> <b>Hypersensitivity</b>  Use with caution: <input type="checkbox"/> hepatic or renal function

WSJ - CONN STUDY GUIDE FOR NLN PHARMACOLOGY EXAM (REVISED 6/3/2013)

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**NLN pharmacology study guide 2013** is an essential resource for nursing students and professionals aiming to master pharmacology principles and practices. The National League for Nursing (NLN) has long been a leader in promoting excellence in nursing education. The 2013 pharmacology study guide focuses on important pharmacological concepts, drug classifications, and their clinical applications, all crucial for effective nursing practice. This article will delve into the key components of the NLN pharmacology study guide, its significance, and tips for utilizing it effectively in your studies.

## Understanding the NLN Pharmacology Study Guide 2013

The NLN pharmacology study guide is designed to provide nursing students with a comprehensive overview of pharmacological principles and practices. It serves as an invaluable tool for exam preparation, especially for those preparing for the NCLEX-RN examination.

## Key Features of the Study Guide

The 2013 edition of the NLN pharmacology study guide includes:

- **Comprehensive Content:** The guide covers a wide range of topics, including drug classifications, mechanisms of action, side effects, and nursing implications.

- **Practice Questions:** Each section contains practice questions that test understanding and application of pharmacological concepts.
- **Case Studies:** Real-life scenarios help students apply their knowledge and enhance critical thinking skills.
- **Visual Aids:** Charts, tables, and diagrams aid in understanding complex information.

## **Importance of Pharmacology in Nursing**

Pharmacology is a foundational subject in nursing education. Understanding pharmacological principles is crucial for safe and effective patient care. Here are several reasons why pharmacology is important for nursing professionals:

### **Patient Safety**

- Nurses must understand drug interactions, contraindications, and side effects to prevent medication errors and adverse reactions.
- Knowledge of pharmacology helps nurses educate patients about their medications, promoting adherence and safe use.

### **Critical Thinking and Decision-Making**

- Pharmacology requires nurses to analyze and interpret information, fostering critical thinking and decision-making skills.
- Nurses often assess patient responses to medications and adjust care plans accordingly, which necessitates a strong understanding of pharmacological principles.

### **Interprofessional Collaboration**

- Nurses frequently collaborate with other healthcare professionals, such as pharmacists and physicians, to optimize medication management.
- A solid foundation in pharmacology enables nurses to contribute meaningfully to discussions about patient care and medication management.

## **Key Topics Covered in the NLN Pharmacology Study Guide**

The NLN pharmacology study guide encompasses a wide array of topics essential for nursing practice. Below are some of the key areas of focus:

## Drug Classifications

Understanding drug classifications is crucial for nurses. The study guide outlines several major drug classes, including:

- **Antibiotics:** Used to treat bacterial infections.
- **Antihypertensives:** Medications that help control blood pressure.
- **Analgesics:** Pain relief medications, including opioids and non-opioids.
- **Antidiabetics:** Drugs used to manage diabetes.

## Pharmacokinetics and Pharmacodynamics

The study guide explains the principles of pharmacokinetics (how the body affects a drug) and pharmacodynamics (how a drug affects the body). Key concepts include:

- **Absorption:** How drugs enter the bloodstream.
- **Distribution:** How drugs spread throughout the body.
- **Metabolism:** How the body processes drugs.
- **Excretion:** How drugs are eliminated from the body.

## Medication Administration

The guide emphasizes safe medication administration, including:

- Understanding the "Five Rights" of medication administration: Right patient, right drug, right dose, right route, and right time.
- Recognizing the importance of proper documentation and communication in medication administration.

## Adverse Effects and Drug Interactions

Adverse drug reactions can significantly impact patient care. The study guide provides information on:

- **Common Adverse Effects:** Side effects that nurses should monitor for.
- **Drug Interactions:** How one drug can affect the action of another.
- **Patient Education:** How to inform patients about potential side effects

and interactions.

## **Study Tips for Using the NLN Pharmacology Study Guide**

To maximize the effectiveness of the NLN pharmacology study guide, consider the following study strategies:

### **Create a Study Schedule**

- Develop a timeline that outlines when you will cover each topic in the study guide.
- Allocate specific times for reviewing practice questions and case studies.

### **Utilize Active Learning Techniques**

- Engage with the material through active learning techniques such as flashcards, group discussions, or teaching concepts to peers.
- Use visual aids and charts to reinforce learning.

### **Practice with Sample Questions**

- Take advantage of the practice questions included in the study guide to test your knowledge and application of pharmacological concepts.
- Review rationales for correct and incorrect answers to deepen your understanding.

### **Connect Pharmacology to Clinical Practice**

- Relate pharmacological principles to clinical scenarios you encounter during clinical rotations or practice.
- Discuss pharmacology concepts with your instructors or preceptors to gain additional insights.

## **Conclusion**

The **NLN pharmacology study guide 2013** is an invaluable resource for nursing students and professionals. By understanding pharmacological principles and utilizing effective study strategies, nurses can enhance their knowledge and competency in medication management. As the healthcare landscape continues to evolve, staying informed about pharmacology remains crucial for delivering safe and effective patient care. Embrace the study guide as a tool for success in your nursing journey, and remember that a strong foundation in pharmacology will serve you well throughout your career.

## **Frequently Asked Questions**

### **What is the primary purpose of the NLN Pharmacology Study Guide 2013?**

The primary purpose of the NLN Pharmacology Study Guide 2013 is to provide nursing students with a comprehensive resource to understand pharmacological principles, drug classifications, and their clinical applications in patient care.

### **How can the NLN Pharmacology Study Guide 2013 help nursing students prepare for the NCLEX-RN exam?**

The guide helps nursing students prepare for the NCLEX-RN by offering practice questions, key pharmacology concepts, and case studies that align with the exam's content outline, enhancing their understanding and test readiness.

### **What key topics are covered in the NLN Pharmacology Study Guide 2013?**

Key topics covered include drug classifications, mechanisms of action, side effects, interactions, and nursing implications related to various pharmacological agents.

### **Is the NLN Pharmacology Study Guide 2013 suitable for self-study?**

Yes, the NLN Pharmacology Study Guide 2013 is designed for self-study, providing clear explanations, review questions, and summaries that facilitate independent learning.

### **How does the NLN Pharmacology Study Guide 2013 address the importance of patient safety in medication administration?**

The guide emphasizes patient safety by discussing the nursing responsibilities in medication administration, including the 'five rights' of medication safety and the importance of monitoring patients for adverse effects.

### **Where can nursing students find additional resources to complement the NLN Pharmacology Study Guide 2013?**

Nursing students can find additional resources online through nursing forums, educational websites, and supplemental textbooks that focus on pharmacology, as well as interactive study tools and flashcards.

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