

**TEACHING PHARMACOLOGY BASICS IN NURSING PRACTICE**

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Abstract *Teaching the basics of pharmacology in nursing education is essential for preparing competent healthcare professionals. This article discusses effective methodologies, challenges, and strategies for integrating pharmacology into the nursing curriculum. Emphasis is placed on active learning techniques, clinical case studies, and technology-enhanced instruction. The significance of evidence-based practice and continuous professional development is also highlighted.*

Keywords: *Pharmacology, Nursing Education, Active Learning, Clinical Practice, Evidence-Based Medicine*

1. Introduction Pharmacology plays a crucial role in nursing practice, ensuring safe and effective medication administration. Nurses must possess fundamental knowledge of drug mechanisms, interactions, side effects, and patient-specific considerations. This article examines the importance of pharmacology education in nursing and explores effective teaching methodologies.

2. Importance of Pharmacology in Nursing Education Understanding pharmacology enables nurses to administer medications safely, recognize adverse effects, and provide appropriate patient education. The integration of pharmacology courses in nursing curricula enhances clinical decision-making skills and reduces medication errors.

3. Effective Teaching Strategies Several pedagogical approaches can enhance pharmacology instruction in nursing programs:

- **Active Learning Methods:** Case-based learning, problem-solving exercises, and simulation-based training improve knowledge retention.



- **Clinical Integration:** Real-life patient scenarios help students apply pharmacological concepts in clinical practice.
- **Use of Technology:** Digital tools, virtual simulations, and mobile applications enhance learning outcomes.
- **Interdisciplinary Collaboration:** Team-based learning involving pharmacists, physicians, and nurses improves understanding and application of pharmacology.

4. Challenges in Teaching Pharmacology Despite its significance, teaching pharmacology presents challenges such as information overload, lack of clinical relevance, and limited faculty expertise in integrating active learning strategies. Addressing these challenges requires curriculum optimization, faculty training, and student engagement initiatives.

5. Conclusion A well-structured pharmacology curriculum is vital for nursing education. Employing innovative teaching methodologies and ensuring continuous professional development will enhance nurses' competency in medication management and patient safety.

REFERENCES

1. Broyles, B., Reiss, B. S., & Evans, M. E. (2020). *Pharmacology for Nursing Care*. Mosby.
2. Kizior, R. J., & Hodgson, B. B. (2021). *Saunders Nursing Drug Handbook*. Elsevier.
3. McCuiston, L. E., Kee, J. L., & Hayes, E. R. (2019). *Pharmacology: A Patient-Centered Nursing Process Approach*. Saunders.
4. National Council of State Boards of Nursing (NCSBN). (2022). Safe medication administration in nursing education. Retrieved from <https://www.ncsbn.org>
5. World Health Organization (WHO). (2021). Medication safety in nursing practice. Retrieved from <https://www.who.int>