



# PHARMACOLOGY AND THE NURSING PROCESS

Lilley  
Rainforth Collins  
Snyder

Ninth Edition



Donation of Books from the People of North Carolina, with  
the support of the North Carolina - Moldova Bilateral  
Partnership, the U.S. Embassy in Moldova, AO CICD "PHOENIX",  
Moldova World Children's Fund and other partners.



U.S. Embassy Moldova



ELSEVIER

# PHARMACOLOGY AND THE NURSING PROCESS

Ninth Edition

**Linda Lane Lilley, RN, PhD**

University Professor and Associate Professor Emeritus (Retired)  
School of Nursing  
Old Dominion University  
Norfolk, Virginia

**Shelly Rainforth Collins, PharmD**

President  
Drug Information Consultants  
Chesapeake, Virginia

**Julie S. Snyder, MSN, RN-BC**

Lecturer  
School of Nursing, Regent University  
Virginia Beach, Virginia

771246



SL2



ELSEVIER

# BRIEF CONTENTS

## **PART 1 Pharmacology Basics**

---

- 1 The Nursing Process and Drug Therapy, 1
- 2 Pharmacologic Principles, 13
- 3 Lifespan Considerations, 33
- 4 Cultural, Legal, and Ethical Considerations, 47
- 5 Medication Errors: Preventing and Responding, 61
- 6 Patient Education and Drug Therapy, 73
- 7 Over-the-Counter Drugs and Herbal and Dietary Supplements, 85
- 8 Gene Therapy and Pharmacogenomics, 95
- 9 Photo Atlas of Drug Administration, 103

## **PART 2 Drugs Affecting the Central Nervous System**

---

- 10 Analgesic Drugs, 135
- 11 General and Local Anesthetics, 165
- 12 Central Nervous System Depressants and Muscle Relaxants, 183
- 13 Central Nervous System Stimulants and Related Drugs, 198
- 14 Antiepileptic Drugs, 213
- 15 Antiparkinson Drugs, 230
- 16 Psychotherapeutic Drugs, 246
- 17 Substance Use Disorder, 273

## **PART 3 Drugs Affecting the Autonomic Nervous System**

---

- 18 Adrenergic Drugs, 288
- 19 Adrenergic-Blocking Drugs, 302
- 20 Cholinergic Drugs, 314
- 21 Cholinergic-Blocking Drugs, 324

## **PART 4 Drugs Affecting the Cardiovascular and Renal Systems**

---

- 22 Antihypertensive Drugs, 333
- 23 Antianginal Drugs, 353
- 24 Heart Failure Drugs, 367
- 25 Antidysrhythmic Drugs, 381
- 26 Coagulation Modifier Drugs, 402
- 27 Antilipemic Drugs, 428
- 28 Diuretic Drugs, 443
- 29 Fluids and Electrolytes, 456

## **PART 5 Drugs Affecting the Endocrine and Reproductive Systems**

---

- 30 Pituitary Drugs, 473
- 31 Thyroid and Antithyroid Drugs, 481
- 32 Diabetes Drugs, 489
- 33 Adrenal Drugs, 514

34 Women's Health Drugs, 524

35 Men's Health Drugs, 544

## **PART 6 Drugs Affecting the Respiratory System**

---

- 36 Antihistamines, Decongestants, Antitussives, and Expectorants, 553
- 37 Respiratory Drugs, 566

## **PART 7 Antiinfective and Antiinflammatory Drugs**

---

- 38 Antibiotics Part 1, 585
- 39 Antibiotics Part 2, 609
- 40 Antiviral Drugs, 626
- 41 Antitubercular Drugs, 646
- 42 Antifungal Drugs, 656
- 43 Antimalarial, Antiprotozoal, and Anthelmintic Drugs, 665
- 44 Antiinflammatory and Antigout Drugs, 678

## **PART 8 Chemotherapeutic Drugs and Biologic and Immune Modifiers**

---

- 45 Antineoplastic Drugs Part 1: Cancer Overview and Cell Cycle-Specific Drugs, 694
- 46 Antineoplastic Drugs Part 2: Cell Cycle-Nonspecific and Miscellaneous Drugs, 720
- 47 Biologic Response-Modifying and Antirheumatic Drugs, 733
- 48 Immunosuppressant Drugs, 755
- 49 Immunizing Drugs, 767

## **PART 9 Drugs Affecting the Gastrointestinal System and Nutrition**

---

- 50 Acid-Controlling Drugs, 782
- 51 Bowel Disorder Drugs, 796
- 52 Antiemetic and Antinausea Drugs, 810
- 53 Vitamins and Minerals, 822
- 54 Anemia Drugs, 843
- 55 Nutritional Supplements, 853

## **PART 10 Dermatologic, Ophthalmic, and Otic Drugs**

---

- 56 Dermatologic Drugs, 864
- 57 Ophthalmic Drugs, 879
- 58 Otic Drugs, 901

Appendix: Pharmaceutical Abbreviations, 907

Answers to Review Questions, 908

Index, 911