

TRANSITION GUIDE TO

# Phlebotomy Essentials

EIGHTH EDITION



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**Paperback with Navigate Premier Access**

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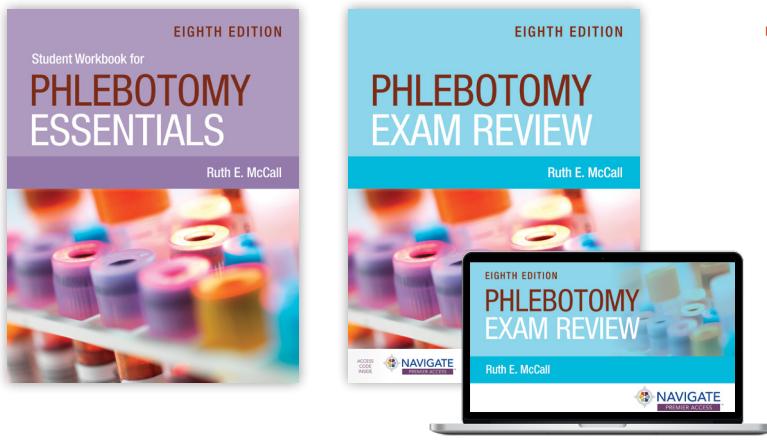
This transition guide serves to outline the chapter and content updates in ***Phlebotomy Essentials, Eighth Edition***.

## OUTSTANDING FEATURES

- Complete program-integration of textbook, workbook and exam review products working **together as a complete learning system for optimal student outcomes:**
  - ***Phlebotomy Essentials, Eighth Edition with Navigate Premier Access***
  - ***Student Workbook for Phlebotomy Essentials, Eighth Edition***
  - ***Phlebotomy Exam Review, Eighth Edition with Navigate Premier Access***

- Updated to **current CLSI guidelines**.
- All data updated and references to **current sources** added throughout.
- TestPrep alerts throughout the textbook share current statistics on which questions students typically get wrong, and why.
- Language updated throughout to **gender-neutral** approach.
- Map of NAACLS Standards – where **each competency** is covered
- Certification Test Plan Alignment Map, including:
  - American Medical Technologists (AMT) - Registered Phlebotomy Technician
  - American Society for Clinical Pathology (ASCP) - Phlebotomy Technician
  - National Healthcareer Association (NHA) - Certified Phlebotomy Technician
  - National Center for Competency Testing (NCCT) - National Certified Phlebotomy Technician

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### REVISION UPDATES

#### UNIT 1 The Healthcare Setting

##### Chapter 1 Phlebotomy: Past and Present and the Healthcare Setting

Sections added on expression of gender identity, expression, and pronouns; urinalysis. Revised section on empathy. Updated information on certification, licensure, and continuing education; HMOs and PPOs; AHA chains or survival. Added content on chemistry specimen tubes, coagulation tests, blood cultures.

##### Chapter 2 Quality Assurance and Legal Issues in Healthcare

General updates throughout.

##### Chapter 3 Infection Control, Safety, First Aid, and Personal Wellness

**NEW** section: Global Spread of Disease. Added content on C. diff, MRSA, enterococcus; HICPAC guidelines for hand hygiene; hands-only CPR. Updated information on vaccination recommendations for healthcare workers, including for COVID-19.

#### UNIT 2 Overview of the Human Body

##### Chapter 4 Medical Terminology

Updated to current Joint Commission Do-Not-Use list.

##### Chapter 5 Human Anatomy and Physiology Review

Revised information on EPO and renin. Added content on oliguria and polyuria.

##### Chapter 6 The Circulatory System

Added section: Infant Scalp Veins. Added content on arterial blood; plasma samples.

#### UNIT 3 Blood Collection Procedures

##### Chapter 7 Blood Collection Equipment, Additives, and Order of Draw

Added content on cell preparation tubes; heparin formulations; silicon coating.

##### Chapter 8 Venipuncture Procedures

Added content on gender identity, use of bedrails.

#### Chapter 9 Preexamination/Preanalytical Considerations

Added content on exercise before blood tests.

#### Chapter 10 Capillary Puncture Equipment, Principles and Procedures

Added section: Capillary Puncture Risks. Added content on positioning children; heel punctures; capillary site selection precautions. Updated procedures throughout. Revised section on neonatal/newborn screening; federal screening recommendations.

#### UNIT 4 Special Procedures

##### Chapter 11 Special Collections and Point-of-Care Testing

Added content on Steripath® Initial Specimen Diversion Device® (ISDD®), i-STAT Chem8+ Cartridge, direct inoculation, 2022 CLSI procedure for syringe inoculation. New sections: Specimen Transportation; Venous Blood Gases. Updated content on clinical molecular diagnostic uses to include COVID-19, ancestry tracing, and others.

##### Chapter 12 Computers and Specimen Handling and Processing

Revised to reflect current technology (tablets, data networks, cloud computing, connectivity, etc).

##### Chapter 13 Urine and Other Nonblood Specimens and Tests

**NEW** section and procedure: Nasal Swabs for COVID-19 Tests. Added content on ova and parasite testing.

##### Chapter 14 Arterial Puncture Procedures

**NEW** section: Infection.

##### Appendix C

Revised to include phrases related to COVID-19.

##### Appendix D

Revised to include work restrictions related to COVID-19.

##### Appendix E

Updated to new edition review question and case study answers.

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### STUDENT DIGITAL RESOURCES

- Interactive eBook, containing:
  - **NEW!** eBook Knowledge Check Questions
  - **NEW!** eBook Quizzes
  - Videos
  - Animations—including sophisticated NEW animations from Biodigital!
  - **NEW!** Audio pronunciations
  - Procedure Evaluation Sheets
- TestPrep
- Health Professions Math Review Module
- Critical Thinking Questions
- Open Educational Resources
- Flashcards
- Learning Objectives
- Memory Jogger
  - Included on inside back cover of printed textbook, and also digitally in the Navigate course
  - Covers the order of draw, and important vascular anatomy

### INSTRUCTOR RESOURCES

- Slides in PowerPoint format
- Lesson Plans
- **NEW!** Teaching Tips
- **NEW!** Lecture Outlines
- Test bank
  - Tagged to NAACLS competencies, learning objectives, and Bloom's taxonomy.
  - Also available in LMS-compatible formats
- Forms
- Pre/Post-Test
- Answer Key to Pre/Post-Test
- Answer Key to Student Workbook
- Answer Key to Critical Thinking Questions
- Answer Key to Review Questions and Case Studies
- Sample Syllabus
- Image bank