

Solutions for Medical Education



Integrated resources
to elevate student
learning

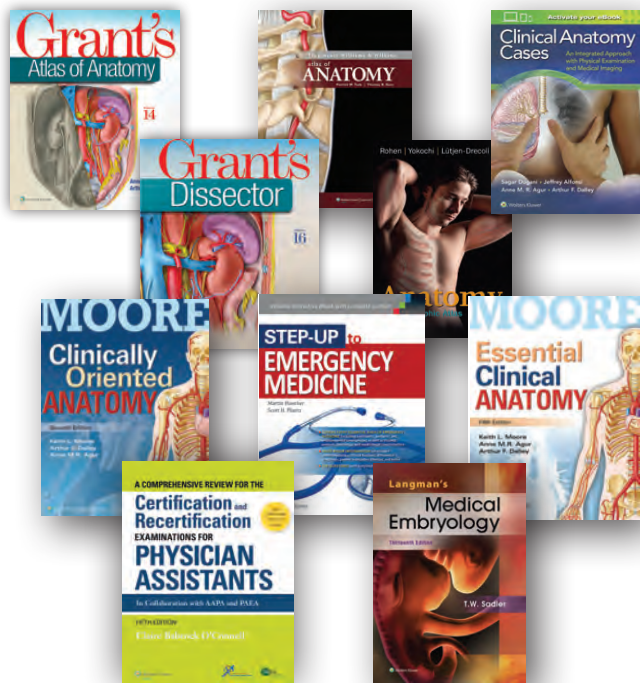


Solutions for Medical Education

Table of Contents

Each title in this catalog offers your students up-to-date, authoritative coverage and practical, evidenced-based guidance in one of the categories below.

- Gross Anatomy.....3
- Physical Assessment.....7
- Basic Sciences8
- Clerkship/Clinical Rotations.....16
- Osteopathic Medicine23
- Physician Assistant.....25



2017 Preview

- **Atlas of Histology, 13th Edition**
- **Clinically Oriented Anatomy, 8th Edition**
- **Color Atlas and Text of Histology, 7th Edition**
- **Essentials of Family Medicine, 7th Edition**
- **Foundations of Osteopathic Medicine, 4th Edition**
- **Lippincott Illustrated Reviews: Anatomy, 1st Edition**
- **Lippincott Illustrated Reviews: Neuroscience, 2nd Edition**
- **Marks' Basic Medical Biochemistry, 5th Edition**
- **Medical Physiology, 5th Edition**
- **Pocket Review for Physician Assistants: Essentials for PANCE and PANRE, 1st Edition**
- **Step-Up to Family Medicine, 1st Edition**

Virtual Anatomy Center



This free, on-demand content portal features information on practical use and trends for online anatomy tools, as well as information about leading solutions used by medical schools, including LWW Health Library, Acland's Video Atlas of Human Anatomy, and more.

Register today at www.anatomical.com

A Commitment to Medical Education

Wolters Kluwer—who we are ...



Every day, healthcare professionals, students, and researchers rely on Wolters Kluwer to make important decisions regarding patient care and outcomes. Educators around the world benefit from our commitment to provide a variety of flexible print and digital solutions.

Instructors and students rely on Wolters Kluwer for print and digital resources, including textbooks, review books, videos, and study aids, as well as digital resources that streamline course preparation and speed content delivery.

Wolters Kluwer has been favored and relied on by generations of students. Titles include those published under the highly valued Lippincott brand, as well as *Grant's Atlas of Anatomy*, *Grant's Dissector*, and *Bates' Guide to Physical Examination and History Taking*. Throughout this catalog, you will find the current editions of these perennial best sellers, as well as the latest titles in a number of our highly respected series: *Step-Up*, *Blueprints*, *BRS*, and *Lippincott Illustrated Reviews*. In addition, you will find a number of digital resources that facilitate learning.

Milestones through the years...

1792-1885

- First drug handbook, The United States Dispensatory: 1832
- First issue of *Annals of Surgery*: 1885

1911-1924

- First edition of *Stedman's Medical Dictionary*: 1911

1937-1943

- *A Method of Anatomy, Descriptive and Deductive*, the first book in the Grant's series: 1937
- First edition of *Grant's Dissector*: 1940
- *Grant's Atlas of Anatomy* is the first anatomical atlas published in North America: 1943

1974-1980

- First edition of *Bates' Guide to Physical Examination and History Taking*: 1974
- First edition of *Clinical Anatomy for Medical Students (Snell)*: 1975
- First edition of *Clinically Oriented Anatomy (Moore)*: 1980

1987-1988

- *Lippincott Illustrated Reviews* series: 1987
- *Board Review* series: 1988

1996-2002

- *Acland's Video Atlas of Human Anatomy*: 1996
- Lippincott and Williams & Wilkins merge: 1998
- *Step-Up* series: 2002

2006-2011

- *thePoint*, the platform for instructor and student resources: 2006
- *prepU*, adaptive quizzing: 2011

2012-present

- First collections in the *LWW Health Library*: 2012
- *Bates' Visual Guide to Physical Examination*: 2013
- *Grant's Anatomy Lab* – online customizable dissector: 2014
- *LWW Health Library Clerkship Collection*: 2015
- *Grant's Dissection Videos*: 2016

Streamline Course Preparation and Maximize Time for You and Your Students



Our resources work with your learning management system

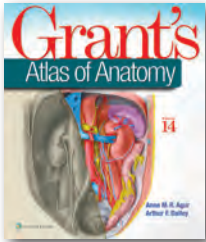
Wolters Kluwer’s complimentary resources are available via thePoint®, your one-click source for course content and product support. We provide adopting instructors with content and tools to enhance teaching and simplify your life! Access image banks, case studies, videos, journal articles, test questions, sample syllabi, and so much more with just a few clicks. When you adopt a Wolters Kluwer title for medical education, instructor’s resources include the ability to integrate textbook content with a wide range of learning management systems, including Blackboard, Moodle, and Desire2Learn. By integrating Wolters Kluwer content into your preferred LMS, you have access to a wide variety of tools that saves you time for course preparation.

Wolters Kluwer titles you trust now on VitalSource

Wolters Kluwer delivers content via VitalSource Bookshelf’s streamlined interface. Compatible with any commercial Learning Management System, VitalSource allows you to streamline your workflow, from textbook evaluation and adoption to embedding content into your course and classroom.

Students can access course materials on laptops as well as iPad®, Android™, and Kindle™ devices with VitalSource Bookshelf, the textbook eReader that helps students read, study, and learn.

Gross Anatomy



ISBN: 9781469890685

NEW EDITION for 2016!

Grant's Atlas of Anatomy, 14th Edition

Anne M. R. Agur, BSc (OT), MSc, PhD • Arthur F. Dalley, PhD, FAAA

The most accurate illustrative reference for learning human anatomy

This visually stunning reference delivers the accuracy, proven pedagogy, and clinical relevance you expect, along with new features that make it even more practical and user-friendly.

- Every illustration is drawn from real specimens
- Content is presented in surface-to-deep dissection sequence
- Recolorized images feature a new level of organ luminosity and tissue transparency
- More than 100 clinically significant MRIs, CT images, and ultrasound scans promote visual understanding
- Improved tables organize muscles, vessels, and other anatomic information in an easy-to-use format ideal for review and study
- Accompanying videos bring concepts to life

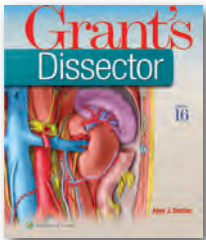


ISBN: 9781496354617

Grant's Atlas of Anatomy Image Bank

Access more than 1,600 illustrations and medical images

The Grant's dissection drawings are enhanced with bright, consistent colors and increased structure detail, organ luminosity, and tissue transparency. This lavish visual enhancement ensures a vastly improved learning experience.



ISBN: 9781496313805

NEW EDITION FOR 2016!

Grant's Dissector, 16th Edition

Alan J. Detton, PhD

The go-to guide for dissection in the anatomy lab

Each chapter is consistently organized beginning with a "Dissection Overview," followed by detailed "Dissection Instructions," and concluding with a "Dissection Follow-Up."

- Step-by-step dissection procedures
- More than 100 new or updated illustrations
- More than 30 new summary tables that make dissection steps more task-oriented and concise
- Revised abdominal wall and head dissection instructions that offer effective new approaches to these complex anatomical regions



ISBN: 9781496354624

Grant's Dissector Image Bank

Features more than 300 unique illustrations

The Bank's vibrant illustrations guide students through relevant surface anatomy, osteology, and dissection procedures.



ISBN: 9781496319180

NEW FOR 2016!

Grant's Dissection Videos

Alan J. Detton, PhD

This collection of approximately 80 high-resolution videos, totaling more than 10 hours, demonstrate the cadaver dissection sequences described in Grant's Dissector. Organized by body region, each video includes narration by Dr. Detton and on-screen labeling and text. The videos show students what they are expected to achieve in lab, the steps required for each dissection, and the information they need to learn for practical exams.

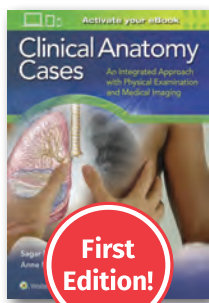


ISBN: 9781451191585

Grant's Anatomy Lab

Ideal for programs with a cadaver dissection lab

Based on *Grant's Dissector* and *Grant's Atlas of Anatomy*, this online lab manual enables instructors to fully customize dissection instructions and related text and image content to students to access the content to prepare for the gross anatomy lab (cadaver dissection), follow step-by-step instructions in lab (via in-lab computers and/or iPad), and review for exams after lab. *Grant's Anatomy Lab* now includes new Grant's Dissection Videos.



ISBN: 9781451193671

NEW FOR 2016!

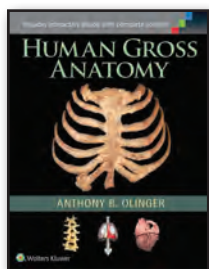
Clinical Anatomy Cases: An Integrated Approach with Physical Examination and Medical Imaging

Sagar Dugani, MD, PhD • Jeffrey E. Alfonsi BSc, MD • Anne M. R. Agur, BSc (OT), MSc, PhD • Arthur F. Dalley, PhD, FAAA

Integrates anatomy, physical examination, and medical imaging into a single, practical resource

This exciting new first edition presents normal, clinical, and radiologic anatomy with case examples, relevant physical examination information, and clinical pearls.

- Includes more than 80 clinical cases organized by region with corresponding systems overviews and typical lab tests, functional testing, and diagnostic imaging
- Offers over 320 illustrations, photographs, and images that depict normal anatomy and common clinical presentations and diseases
- Provides lists of differential diagnoses and high-yield clinical pearls
- Includes INTERACTIVE eBook



ISBN: 9781451187403

First Edition!

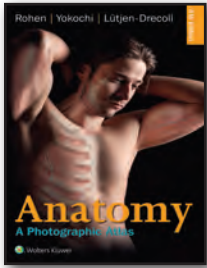
Human Gross Anatomy

Anthony B. Olinger, PhD

Detailed enough for use as an atlas and concise enough for efficient review

Clear, high-quality cadaveric photographs and explanatory diagrams are presented side by side with bulleted explanations.

- Action Boxes provide important muscle information with color-coded labels for origin, insertion, and innervation
- High-quality cadaveric photographs show dissections that students can accomplish
- Systems approach presented within each regional chapter aligns with a range of curricula
- Auditory Ossicles
- Vocal Ligaments, Vocal Opening
- Trigeminal Nerve (CN V) in the Cranium



ISBN: 9781451193183

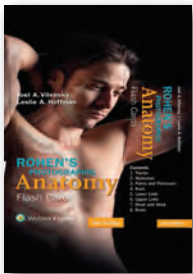
Anatomy: A Photographic Atlas, 8th Edition

Johannes W. Rohen, MD • Chihiro Yokochi, MD • Elke Lütjen-Drecoll, MD

Prepares students for the dissection lab and operating room

Featuring over 1,200 full-color photographs of actual cadaver dissections with accompanying schematic drawings and diagnostic images, this proven text depicts anatomic structures more realistically than illustrations in traditional atlases.

- Chapters are organized by region in the order of a typical dissection
- Functional connections between single organs, the surrounding tissue, and organ systems are clarified
- Dissections illustrate the topographical anatomy in layers “from the outside in” to better prepare students for the lab and OR



ISBN: 9781451194500

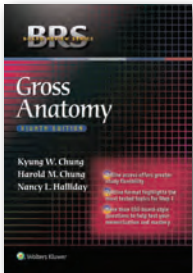
Rohen's Photographic Anatomy Flashcards, 2nd Edition

Joel A. Vilensky, PhD • Leslie A. Hoffman, PhD • Johannes W. Rohen, MD • Chihiro Yokochi, MD • Elke Lütjen-Drecoll, MD

220 labeled flashcards featuring full-color photographs of actual cadaver dissections

Ideal for review of recently dissected regions and exams, these cards include:

- Review questions and additional clinical anatomy
- A key ring and hole-punched corners for easy organization and on-the-go portability



ISBN: 9781451193077

BRS Gross Anatomy, 8th Edition

Kyung Won Chung, PhD • Harold M. Chung, MD • Nancy L. Halliday, PhD

Help your students succeed on the USMLE Step 1!

Written in the popular Board Review Series outline format, this powerful, easy-to-use resource presents the essentials of human anatomy through concise descriptions, clinical correlations, radiographs, full-color illustrations, and tables.

- More than 550 USMLE board-style questions (with complete answers and explanations) are available electronically and in print
- Chapter-ending exams and an end-of-book comprehensive exam help students master key information
- New high-yield reviews provide targeted preparation for USMLE Step 1 and anatomy course examinations



ISBN: 9781609134341

Acland's Video Atlas of Human Anatomy: One Year Subscription (personal and institutional pricing available)

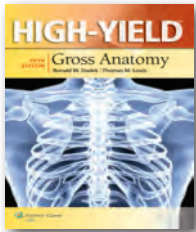
Robert D. Acland, PhD, MBBS, FRCS

World-renowned anatomist Dr. Robert Acland shows and explains anatomical movement in every region of the body

This vibrant online learning solution includes more than 300 narrated videos of REAL cadaver specimens covering bones, muscles, tendons, organs, and more.

- Rotating videography allows users to see anatomical specimens in real-life 3D
- Compelling visuals with voiceover help both visual and auditory learners master key concepts
- Video clip(s) can be located quickly via keyword search, A-Z index, contents list, “see also” feature, and next/previous buttons

Visit AclandAnatomy.com today to view sample content.



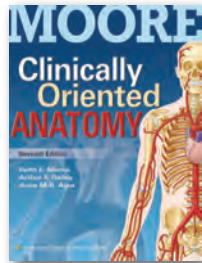
ISBN: 9781451190236

High-Yield™ Gross Anatomy, 5th Edition

Ronald W. Dudek, PhD • Thomas M. Louis, PhD

Prepares students for USMLE

This title provides a concise review of gross anatomy material tested on course and board exams. The streamlined outline format includes tables, diagrams, clinical photos, and radiographs for a concentrated, efficient review.



ISBN: 9781451119459

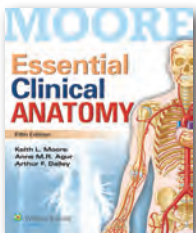
Clinically Oriented Anatomy, 7th Edition

Keith L. Moore PhD, FIAC, FRSM, FAAA • Arthur F. Dalley, PhD, FAAA • Anne M. R. Agur, BSc (OT), MSc, PhD

This text provides first-year medical students with the clinically oriented anatomical information that they need in study and practice. This best-selling anatomy textbook is renowned for its comprehensive coverage of anatomy, presented as it relates to the practice of medicine, dentistry, and physical therapy.

- All illustrations have been redrawn and updated for consistency in style and color as well as anatomical accuracy
- Clinical Blue Boxes—supported by photos and illustrations, help students understand the practical value of anatomy, where each clinical correlation is classified by the type of clinical information it contains: Anatomical Variation, Trauma, Surgical Procedure, Diagnostic Procedure, Life Cycle, and Pathology
- Extensive medical diagnostic imaging reflects the increasing importance it plays in diagnosis and treatment

8th Edition
available in 2017

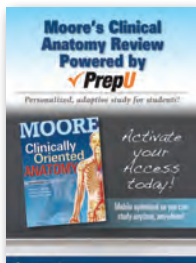


ISBN: 9781451187496

Essential Clinical Anatomy, 5th Edition

Keith L. Moore PhD, FIAC, FRSM, FAAA • Arthur F. Dalley, PhD, FAAA • Anne M. R. Agur, BSc (OT), MSc, PhD

This title presents core anatomical concepts in a concise, student-friendly format. The text includes the hallmark blue Clinical Boxes, as well as surface anatomy and medical imaging features. It is an ideal text for shorter medical courses and health professions courses with a condensed coverage of anatomy.



ISBN: 9781451147254

Moore's Clinical Anatomy Review Powered by prepU

Keith L. Moore, PhD, FIAC, FRSM, FAAA • Arthur F. Dalley, PhD, FAAA • Anne M. R. Agur, BSc (OT), MSc, PhD

Personalized, adaptive study for students

Help your students master clinical anatomy with this personalized quizzing system designed to make study time more efficient and effective. Unlike traditional quizzing engines, prepU shows students what they need to study in more depth.

- Simple to use and extraordinary in how it transforms the study process
- Features best-in-class adaptive quizzing, remediation, and real-time reporting
- Mobile optimized so students can study anytime, anywhere



ISBN: 9780781785051

Lippincott Williams & Wilkins Atlas of Anatomy

Patrick W. Tank • Thomas R. Gest

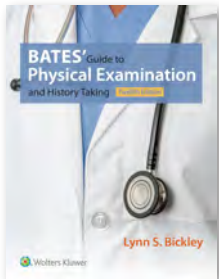
2nd Edition
available in 2017

A visually striking regional atlas of human anatomy

Featuring more than 750 new, modern images, this atlas combines visual aesthetic appeal and anatomical accuracy. Many student-friendly features set this atlas apart, including a unique art style featuring bright colors, color coding of anatomical elements, judicious use of labeling, and no extraneous text.

- Each plate teaches specific structures and relationships using “ghosting,” layering, and color selectivity techniques
- Images are presented in anterior and posterior views, as well as lateral and medial views where appropriate
- An online interactive atlas is packaged with the text

Physical Assessment



ISBN: 9781469893419

NEW EDITION for 2016!

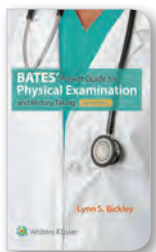
Bates' Guide to Physical Examination and History Taking, 12th Edition

Lynn S. Bickley, MD, FACP

The #1 choice for complete, authoritative guidance on mastering every aspect of the all-important physical examination

This highly regarded text provides fully illustrated, step-by-step guidance on performing the patient interview and physical examination and applying clinical reasoning, shared decision-making, and other core assessment skills—all based on a firm understanding of clinical evidence.

- A two-column format features examination techniques on the left and abnormalities with differential diagnoses on the right
- A unit on special populations covers stages in the life cycle from infancy through adolescence, pregnancy, and aging
- Clinical pearls, printed in blue, highlight key points throughout the text



ISBN: 9781496338488

NEW EDITION for 2016!

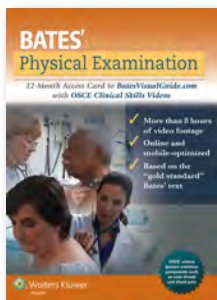
Bates' Pocket Guide to Physical Examination and History Taking, 8th Edition

Lynn S. Bickley, MD, FACP

Presents the classic Bates approach to physical examination and history taking in a quick-reference outline format

Fully revised to reflect current healthcare literature, this 8th Edition shows students how to elicit relevant facts from the patient's history, review examination procedures, highlight common findings, learn special assessment techniques, and sharpen interpretive skills.

- User-friendly, pocket-size format for on-the-go access
- Two-column outline format that delivers fast facts and summarizes both techniques and possible findings
- A vibrant full-color art program



ISBN: 9781469863856

Bates' Visual Guide to Physical Examination, with OSCE Clinical Skills Videos

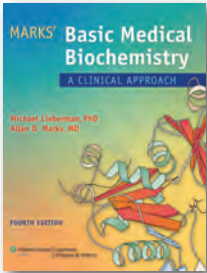
Lynn S. Bickley, MD, FACP

Get a 12-month subscription! Ideal for assessment or introduction to clinical medicine courses

Carefully scripted and reviewed by clinical experts and educators including Dr. Lynn S. Bickley, author of Bates' Guide to Physical Examination and History Taking, the site presents a step-by-step approach to patient, current examination techniques, and normal and abnormal findings.

- More than 10 hours of head-to-toe, systems-based, and OSCE video footage features standardized patients that represent various age groups, backgrounds, and conditions
- Accessibility via the web allows students to prepare for class or review material prior to exams from current browsers, devices, or locations with an internet connection
- When paired with Bates' text or pocket guide, Bates' Visual Guide serves as a complete assessment learning solution for students in medical, nursing, and related programs
- The 12-month subscription is ideal for assessment or introduction to clinical medicine courses, particularly those in which OSCE clinical skills are essential, and can be activated on the Bates Visual Guide site

Basic Sciences – Text



ISBN: 9781608315727

Marks' Basic Medical Biochemistry, 4th Edition

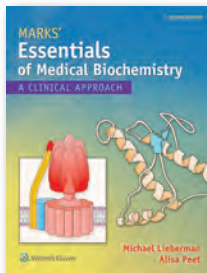
Michael A. Lieberman, PhD • Allan Marks, MD • Alisa Peet, MD

5th Edition
available in 2017

A patient-oriented approach that links biochemistry to physiology and pathophysiology

Help your students apply fundamental concepts to the practice of medicine—from diagnosing patients to recommending effective treatments.

- Intuitively organized chapters center on hypothetical patient vignettes.
- Helpful icons identify key concepts such as signs and symptoms, clinical pearls, treatment options and outcomes, and more
- Full-color illustrations of chemical structures and biochemical pathways enhance understanding
- End-of-chapter *Key Concepts, Review Questions, and Summary Disease Tables* help students master key concepts



ISBN: 9781451190069

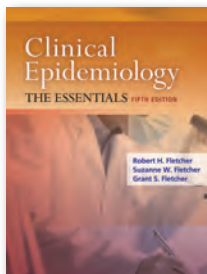
Marks' Essentials of Medical Biochemistry, 2nd Edition

Michael A. Lieberman, PhD • Alisa Peet, MD

Streamlined to focus on the most essential biochemical concepts

Based on *Marks' Basic Medical Biochemistry*, **Marks' Essentials** maintains the original text's patient-oriented approach and intuitively organized chapters centered on hypothetical patient vignettes.

- Full-color illustrations of chemical structures and biochemical pathways enhance understanding
- Helpful icons identify key concepts such as signs and symptoms, clinical pearls, treatment options and outcomes, and more
- End-of-chapter *Key Concepts, Review Questions, and Summary Disease Tables* help students master key concepts.



ISBN: 9781451144475

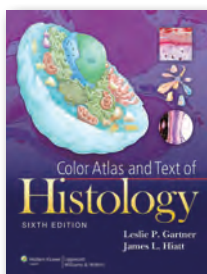
Clinical Epidemiology: The Essentials, 5th Edition

Robert Fletcher, MD, MSc • Suzanne W. Fletcher, MD, MSc

A comprehensive, clinically oriented introduction

Help your student learn to develop and apply methods of clinical observation to form accurate conclusions with this text's expert coverage of the principles of evidence-based medicine. Key topics include knowledge management, abnormality, diagnosis, frequency and risk, prognosis, treatment, prevention, chance, and studying cases and cause.

- A striking full-color art program clarifies key concepts
- Review questions with answers help students test their understanding
- An *Example* feature clarifies important concepts by discussing studies taken directly from the clinical literature



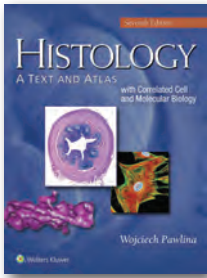
ISBN: 9781451113433

Color Atlas and Text of Histology, 6th Edition

Leslie P. Gartner, PhD • James L. Hiatt, PhD

7th Edition
available in 2017

This best-selling atlas provides medical, dental, allied health, and biology students with an outstanding collection of histology images for all of the major tissue classes and body systems. This is a concise lab atlas with relevant text and consistent format presentation of photomicrograph plates. With a handy spiral binding that allows ease of use, it features a full-color art program comprising over 500 high-quality photomicrographs, scanning electron micrographs, and drawings. Didactic text in each chapter includes an Introduction, Clinical Correlations, Overview, and Chapter Summary.



ISBN: 9781451187427

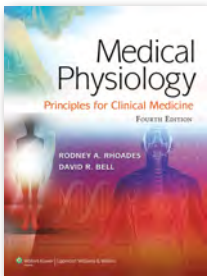
Histology: A Text and Atlas With Correlated Cell and Molecular Biology, 7th Edition

Michael H. Ross, PhD • Wojciech Pawlina, MD

Ideal for medical, dental, health professions, and undergraduate biology and cell biology students

This best-selling combination text and atlas covers the clinical and functional correlates of histology supplemented by vividly informative illustrations and photomicrographs. Separate, superbly illustrated atlas sections feature 435 large, full-color digital photomicrographs with labels and accompanying descriptions that highlight structural and functional details of cells, tissues, and organs.

- All illustrations are completely revised and redrawn for a consistent art program
- Histology 101 sections provide students with a reader-friendly review of essential information covered in the preceding chapters
- Updated cellular and molecular biology coverage reflects the latest advances in the field



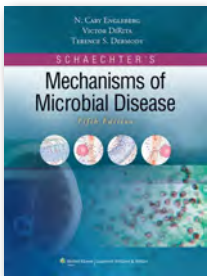
ISBN: 9781609134273

Medical Physiology: Principles for Clinical Medicine, 4th Edition

Rodney A. Rhoades, PhD • David R. Bell, PhD

5th Edition
available in 2017

Medical Physiology presents the physiological concepts essential to clinical medicine. Each chapter provides conceptual diagrams to facilitate comprehension of difficult concepts, and presents both normal and abnormal clinical conditions to illustrate how physiology serves as an important basis for diagnosis and treatment. Hallmark pedagogical features emphasize problem-solving skills and promote review and retention: Clinical Focus and From Bench to Bedside boxes, a comprehensive glossary, and online USMLE-style review questions with answers and explanations.



ISBN: 9780781787444

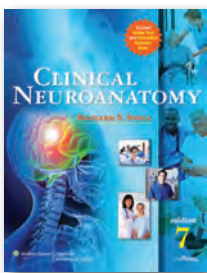
Schaechter's Mechanisms of Microbial Disease, 5th Edition

N. Cary Engleberg, MD • Terence Dermody, PhD • Victor DiRita, PhD

Universally praised for "telling the story of a pathogen" in an engaging way

Help your students develop a thorough understanding of microbial agents and the pathophysiology of microbial diseases with this proven text's emphasis on unifying principles and paradigms. Uniquely organized by microbial class and by organ system, the text is ideal for either traditional or systems-based curricula.

- Case studies with problem-solving questions give students insight into clinical applications of microbiology
- A superb art program provides both clinical and pathology-based images
- A handy appendix offers quick reference summary tables featuring Major Bacteria, Main Pathogenic Bacteria, Medically Important Fungi, and Main Pathogenic Viruses



ISBN: 9780781794275

Clinical Neuroanatomy, 7th Edition

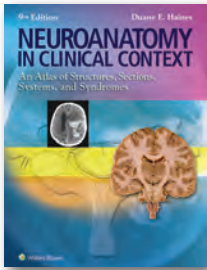
Richard S. Snell, MD, PhD

8th Edition
available in 2017

A complete, clinically oriented introduction to neuroanatomy

Organized classically by system, this popular text has been updated throughout. Each chapter begins with clear objectives, includes clinical cases, and ends with clinical notes, clinical problem-solving, and review questions.

- Hundreds of full-color illustrations, diagnostic images, and color photographs enhance the text
- Updated Clinical Notes on head injuries incorporate new advances resulting from war veterans' injuries and treatment
- Numerous tables summarize material for easier study



ISBN: 9781451186253

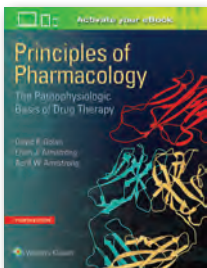
Neuroanatomy in Clinical Context: An Atlas of Structures, Sections, Systems, and Syndromes, 9th Edition

Duane E. Haines, PhD

Everything students need to master the anatomy of the central nervous system

Help your students prepare for exams and clinical rotations with this acclaimed atlas's clear explanations; abundant MRI, CT, MRA, and MRV images; full-color photographs and illustrations; hundreds of review questions; and supplemental online resources.

- A new chapter on Herniation Syndromes decodes the elegant relationship between brain injury and resulting deficit
- Clinical information is screened in blue for quick identification
- Full-color stained sections facilitate the easy identification of anatomical features



ISBN: 9781451191004

NEW EDITION for 2016!

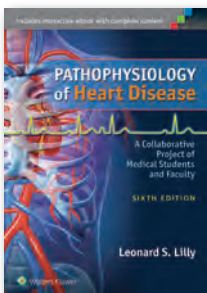
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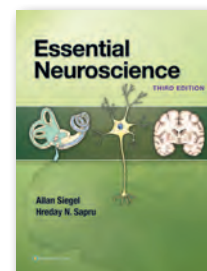
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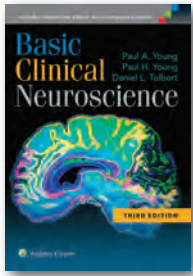
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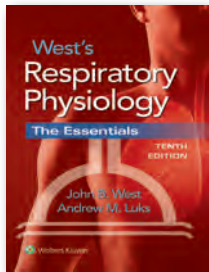
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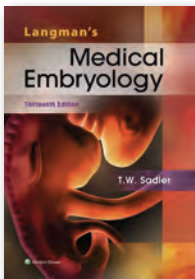
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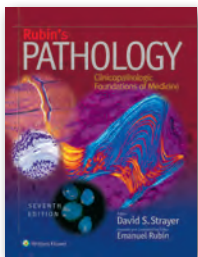
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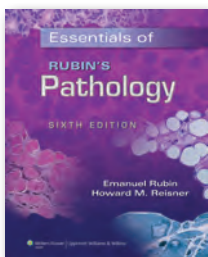
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Emanuel Rubin, MD • Howard M. Reisner, PhD

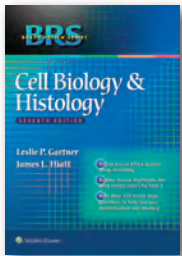
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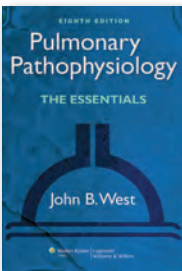
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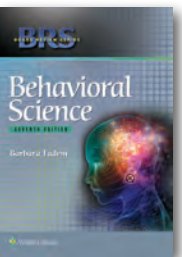
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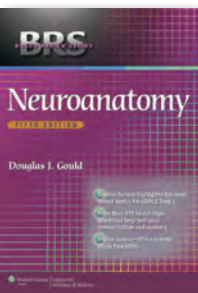
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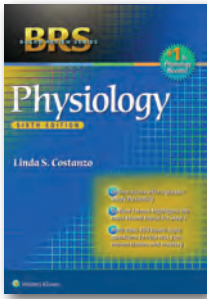
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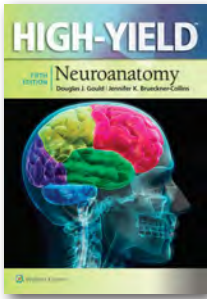
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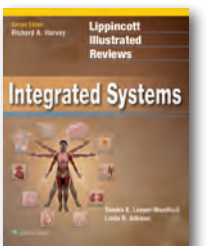
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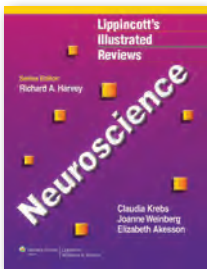
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- Online access includes fully searchable online text, an interactive Question Bank for students, and animations



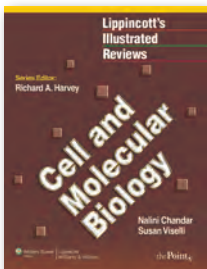
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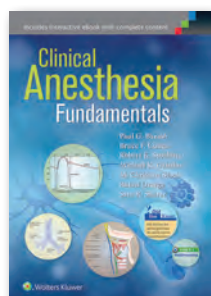
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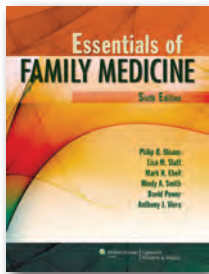
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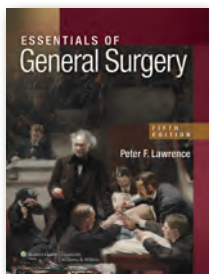
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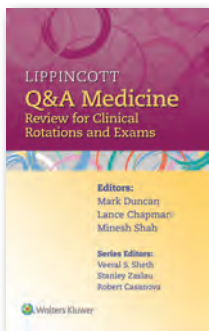
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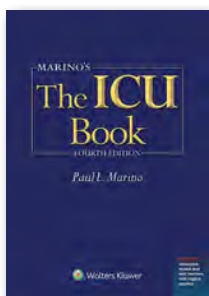
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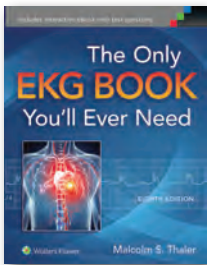
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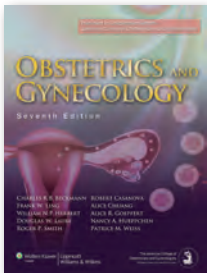
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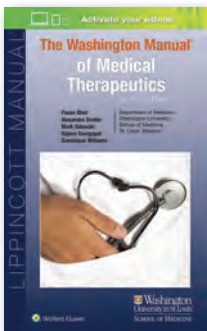
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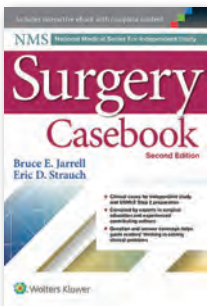
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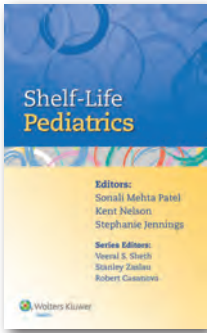
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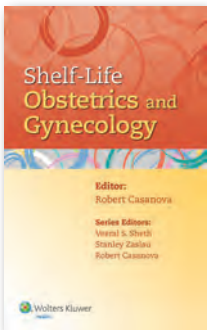
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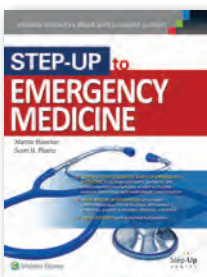
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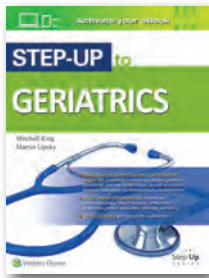
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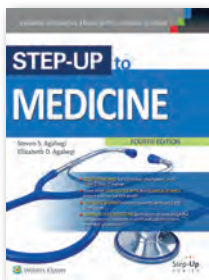
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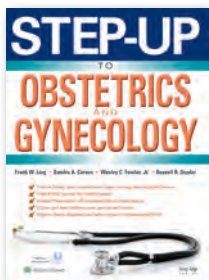
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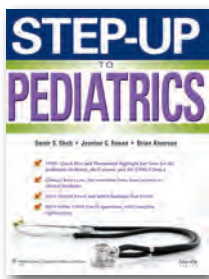
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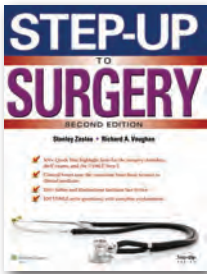
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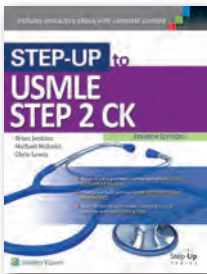
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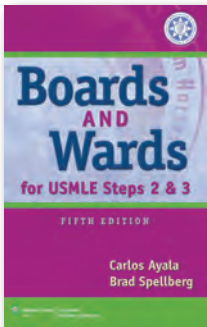
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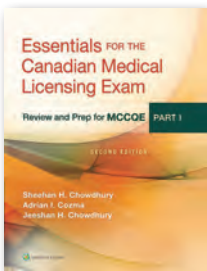
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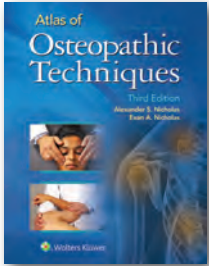
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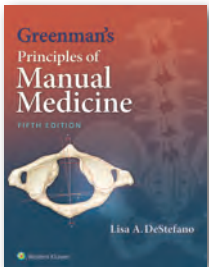
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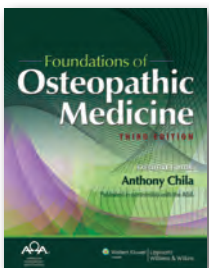
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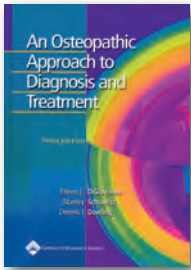
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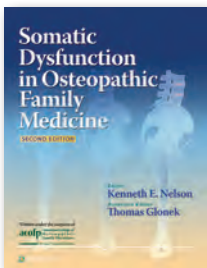
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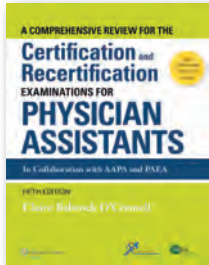
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