



# Human Anatomy

Michael McKinley | Valerie O'Loughlin | Elizabeth Pennefather-O'Brien  
2024 Release

## Overview

*Human Anatomy* stands apart from other texts as it guides students on a clearly written and expertly illustrated beginner's path through the human body. High-quality photographs paired with brilliantly rendered illustrations help students visualize, understand, and appreciate the wonders of human anatomy. The author team incorporates their combined 70 years of teaching experience into student-friendly learning strategies, built around a pedagogical framework designed to foster retention and encourage the application of knowledge and understanding.

The text helps students apply chapter content by using clinical examples that show students what can go wrong in the body, crystalizing their understanding of the "norm." Mini self-tests at the end of each section assess students' grasp of the material, and end-of-chapter assessments encourage students to apply and synthesize what they have learned. Career opportunities for A&P students are highlighted at the beginning of each chapter.

### Writing Style

Student-Focused. Interwoven Learning Strategies.

### Duration of Course

1 Semester

## What You Need to Know

### Engaging Illustrations and Artwork

Realistic, three-dimensional illustrations, a beautiful collection of cadaver dissection images, bone photographs, surface anatomy shots, and histology micrographs beautifully capture the intangible characteristics of human anatomy.

### Integration of Learning Strategies

Learning Strategies boxes integrate familiar contexts into the study of Human Anatomy such as analogies, mnemonics, and tips and tricks to make abstract concepts more memorable and relevant for students.

### Clinical Views

The Clinical View features provide insights into health or disease processes. These essays expand upon topics covered in the text and provide relevant background information for students pursuing health-related careers.

## Table of Contents

1. A First Look at Anatomy
2. The Cell: Basic Unit of Structure and Function
3. Embryology
4. Tissue Level of Organization
5. Integumentary System
6. Cartilage and Bone
7. Axial Skeleton
8. Appendicular Skeleton
9. Articulations
10. Muscle Tissue and Organization
11. Axial Muscles
12. Appendicular Muscles
13. Surface Anatomy
14. Nervous Tissue
15. Brain and Cranial Nerves
16. Spinal Cord and Spinal Nerves
17. Pathways and Integrative Functions
18. Autonomic Nervous System
19. Senses: General and Special
20. Endocrine System
21. Blood
22. Heart
23. Vessels and Circulation
24. Lymphatic System
25. Respiratory System
26. Digestive System
27. Urinary System
28. Reproductive System

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## This Title Has Gone Evergreen

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## Big Picture Changes in This Release

### Diversity, Equity, and Inclusion Revision

An increased emphasis on DEI includes updates to art and text for inclusive language and diverse representation to ensure individuals of all ethnicities and genders are represented. Examples of specific changes include clinical conditions to include presentation in those with darker skin tones, removal of gendered terms when their inclusion was not needed in the text, and an art program updated to include representations of individuals with various skin tones, hairstyles, and ages.

### Anatomy and Physiology Revealed

New updates to Anatomy and Physiology Revealed (APR) include new 3D models, a homologous structure feature to highlight similar structures between fetal pig, cat, and human specimens, histology images side-by-side to the cadaver and anatomical models, new Anatomy Lab videos, and several important policy updates including the ability to give time extensions for lab practical quizzes.

Visit this website for extensive list of updates:  
<https://bit.ly/APR-Updates>

### Accessibility Updates to Question Banks

Question banks have been updated with color contrast and leader lines added to labeling questions and other question types to assist readers who have variations in visual acuity and color vision and to make details more visible in classroom projection. Alternative text descriptions have been added for screen reader compatibility.



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