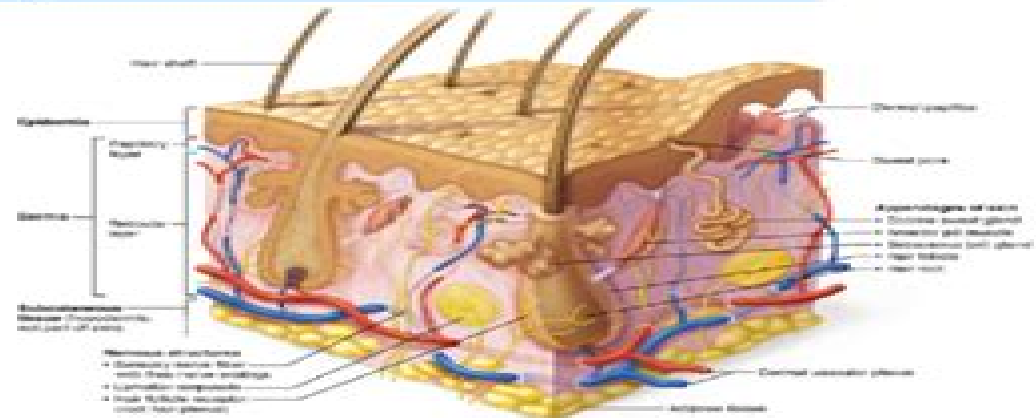


CHAPTER 5

The Integumentary System

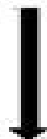
5.1 – THE SKIN CONSISTS OF 2 LAYERS: THE EPIDERMIS AND DERMIS

- 2 layers:
 1. **Epidermis:** Composed of epithelial cells; outermost protective shield of the body
 - Epi = Upon
 2. **Dermis:** Underlying bulk of skin; tough, leathery layer composed mostly of dense connective tissue
 - Highly vascularized
- Nutrients reach epidermis by diffusing through tissue fluid via BV in the dermis
- **Hypodermis (Subcutaneous) Tissue:** Subcutaneous tissue deep to skin
 - Not part of skin; also known as superficial fascia
 - Stores adipose tissue; shock absorber and insulator (↓ heat loss)
 - Anchors the skin to the underlying structures
- Sliding skin protects by ensuring many blows bounce off the skin



5.2 – THE EPIDERMIS IS A KERATINIZED STRATIFIED SQUAMOUS EPITHELIUM

SUPERFICIAL



DEEP

- There are 4 or 5 layers of the epidermis:
 - (i) Stratum Corneum
 - (ii) Stratum Lucideum
 - (iii) Stratum Granulosum
 - (iv) Stratum Spinosum
 - (v) Stratum Basale
- 4 distinct cells:
 - (i) Keratinocytes
 - (ii) Melanocytes
 - (iii) Dendritic (Langerhans) Cells
 - (iv) Tactile (Merkel) Cells

Chapter 5 Integumentary System Test

Brigitte Niedzwiecki



Chapter 5 Integumentary System Test:

Medical Terminology Systems Updated Barbara Gylys, Mary Ellen Wedding, 2023-02-20 A better way to learn a word building and body systems approach A true blend of words art and technology Medical Terminology Systems and Medical Language Lab MLL work together to create an immersive multimedia experience that tracks each student's progress until they've mastered the language of medicine An access code inside new printed textbooks unlocks an ebook as well as access to MLL Or choose the all digital Instant Access option which includes the ebook and immediate access to MLL See what students are saying about the 8th Edition Amazing Textbook for Medical Terms class I love the format that each chapter begins with a review of the body system If you are entering the medical healthcare field and need to take a medical terminology class this is the best book because it's thorough and easy to use Zora Online Reviewer LEARN Build a solid foundation with the text Students begin by learning the parts of words roots combining forms suffixes and prefixes Then they use their understanding of word parts to learn medical terminology Mnemonic devices and engaging interactive exercises make word building fun and easy ensuring students retain the information they need for success PRACTICE Study smarter not harder Based on proven language methodology Medical Language Lab MLL guides students step by step from basic through advanced levels of proficiency to become confident medical language speakers Students review what they've learned from the text and in class through activities and quizzes ASSESS Build mastery Attain fluency Students and their instructors can monitor their progress through every MLL lesson and assignment to identify the areas where they're struggling A Review section provides additional activities for remediation The Student Lesson Gradebook identifies which lessons have been completed or not completed and the grade earned while the Student Activity Gradebook details how each student performed on specific assignments and how long they took to complete each Mastering Medical Terminology - EPUB Sue Walker, Maryann Wood, Jenny Nicol, 2016-10-15 Fully revised and updated to reflect current medical terminology and the healthcare environment Content written with updated medical diagnostic and therapeutic information An extensive range of activities exercises and questions in each chapter to reinforce learning and apply to clinical practice Includes eBook on VitalSource Medical Terminology Simplified Barbara A Gylys, Regina M Masters, 2014-03-24 The 5th Edition of this popular textbook continues to incorporate the most current trends and approaches to teaching medical terminology You'll explore each body system unit through a summary of major combining forms a comprehensive pathology section and additional medical records and evaluations complemented by true to life artwork Mastering Medical Terminology - E-Book Epub Melanie Tassos, Stephanie Gjorgioski, Emma Barker, 2025-11-24 Medical terms demystified Every health professional comes across unfamiliar medical terms from time to time Mastering Medical Terminology teaches students and practitioners to decipher the meanings of word parts and understand complex terminology associated with the human body and common diseases and procedures With a focus on Australian and New Zealand spelling and pronunciation conventions

this invaluable resource provides easy to understand descriptions of human anatomy and physiology by body system It includes information about the common diseases and procedures that relate to these body systems Also provided are comprehensive definitions of terminology pronunciation guides and reinforcement of learning through a wide variety of exercises and practice questions The fourth edition of this go to textbook has been fully updated by a team of expert authors to reflect current medical terminology and the local healthcare environment Combines learning and application in one text the only reference guide needed for the undergraduate and early clinical years Takes a building blocks approach learn the basics of word structures first then the more complex terminology associated with the human body as a whole and then each body system Simple non technical explanations of medical terms clinical procedures laboratory tests and abbreviations Optimises learning with a wide variety of activities and exercises Includes a pronunciation guide and practice exercises examples of terminology in context and diagrams and illustrations to enhance understanding Additional resources including multiple choice questions Test bank audio glossary and flash cards available online New to this edition Additional and updated information on COVID 19 Common acronyms and abbreviations found in medical health patient records Medical terminology specific to robotic assisted procedures and artificial intelligence in healthcare Instructor resources on Evolve Lesson plans Semester planner Power point presentations Image Library Test bank Students and Instructor resources on Evolve Flashcards MCQ s Audio Glossary

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known within each country or in local official languages in addition to the current sovereign states in africa the list also includes western sahara which is recognized by the african union and some united nations members