

The Integumentary System (Chapter 5)

- I. Background
 - 1. Organ
 - 2. System
- A. Integumentary System
- B. Functions
- II. Epidermis
 - A. Stratum Basale
 - 1. structure
 - 2. cells
 - a. basal cells
 - b. Merkel cells
 - c. melanocytes
 - 1) melanin
 - B. Stratum Spinosum
 - 1. structure
 - 2. cells
 - a. keratinocytes
 - b. Langerhans' cells
 - C. Stratum Granulosum
 - 1. structure
 - 2. cell products
 - 1) keratin
 - 2) keratohyalin
 - D. Stratum Lucidum
 - 1. structure
 - 2. cells
 - a. eleiden
 - E. Stratum Corneum
 - 1. structure
 - 2. cells
- III. Dermis
 - A. Background
 - B. Layers
 - 1. Papillary Layer
 - a. dermal papillae
 - 2. Reticular Layer
- IV. Hypodermis
- V. Skin color
 - A. Melanin

VI. Accessory Skin Structures

A. Glands

1. Sweat (Sudoriferous) Glands

- a. Eccrine sweat glands
 - 1) sudor
- b. Apocrine sweat glands
- c. Ceruminous glands
- d. Mammary glands

2. Sebaceous (Oil) Glands

- a. sebum

B. Nails

1. Components

- a. nail body
- b. nail bed
- c. nail root
- d. nail fold
- e. free edge
- f. lunula

C. Hairs & Hair Follicles

1. Structure

- a. shaft
 - 1) layers
 - a) Medulla
 - b) Cortex
 - c) Cuticle
- b. root
 - 1) hair follicle
 - 2) hair bulb
 - a) root hair plexus
 - 3) hair papilla
 - 4) hair matrix
 - 5) arrector pili

2. color

3. functions