



Medical Terminology: Integumentary System

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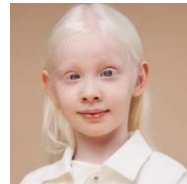
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Contents:

- ✓ Identify and define the combining forms, prefixes, and suffixes relating to the integumentary system.
- ✓ Correctly spell and pronounce medical terms relating to the integumentary system.



keratin
AUTOGRAFT
dermabrasion
ICHTHYOALBIN/O
-derma
CRYOSURGERY
LEUKODERMA
SKIN
albinism
CERUMEN
hypo-
dermis
ABRASION
SEBORRHEA
onychomycosis
pruritic
-OMA
pruritic
DEBRIDEMENT
dermatitis
nails
XENO-
Comedo

Objectives:

By the end of this lecture, you should be able to:

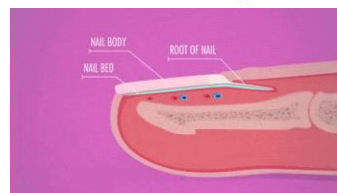
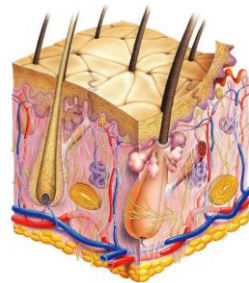
- ✓ Know some combining forms, prefixes, and suffixes relating to the integumentary system.
- ✓ Correctly spell and pronounce some medical terms relating to the integumentary system.



Organs of the integumentary system:

- The primary structures that comprise the integumentary system:

- ✓ Skin
- ✓ Hair
- ✓ Nails
- ✓ Sebaceous glands
- ✓ Sweat gland.



Anatomic Structures of the Integumentary System:

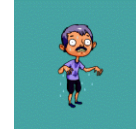
Term	Definition
Skin	organ covering the body; made up of layers.
Epidermis	outer layer of skin; protects the body from the external environment.
Dermis	inner layer of skin; responsible for its flexibility and mechanical strength
Keratin	scleroprotein component of the horny, or cornified, layer of the epidermis, and the primary component of the hair and nails.
Melanin	dark pigment produced by melanocytes; amount present determines skin color.

Anatomic Structures of the Integumentary System:

Term	Definition
Nails	horny plates made from flattened epithelial cells; found on the dorsal surface of the ends of the fingers and toes.
Sebaceous glands	secrete sebum (oil) into the hair follicles where the hair shafts pass through the dermis.
Sudoriferous (sweat) glands	tiny, coiled, tubular structures that emerge through pores on the skin's surface and secrete sweat.
Hair	compressed, keratinized cells that arise from hair follicles, the sacs that enclose the hair fibers.

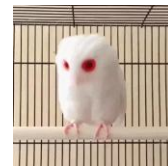
Combining Forms of the Integumentary System:

Combining Form	Definition
Cutane/o, Derm/o, Dermat/o	Skin
Diaphor/o	Profuse sweating
Cauter/o	to burn
Esthesi/o	Feeling
Hidr/o	Sweat
Ichthy/o	Scaly, dry
Cry/o	Cold



Combining Forms of the Integumentary System:

Combining Form	Definition
Albin/o	White
Melan/o	Black
Erythr/o	Red
Kerat/o	Hard, horny
Myc/o	Fungus
Necr/o	Death



Combining Forms of the Integumentary System:

Combining Form	Meaning
Onych/o, Ungu/o	Nail
Phot/o	Light
Rhytid/o	Wrinkle
Sarc/o	Flesh
Sclera/o	Hard
Seb/o	Oil



Combining Forms of the Integumentary System:

Combining Form	Meaning
Septic/o	Infection
System/o	System
Trich/o	Hair
Vesic/o	Sac
Xer/o	Dry

Combining Forms of the Integumentary System:

Prefix	Definition
epi-	on, upon, over
intra-	Within
para-	beside, beyond, around, abnormal
per-	Through
sub-	under, below
trans-	through, across, beyond

Combining Forms That Describe Color:

- | | |
|-------------|-----------|
| 1. Cyan/o | 1. Blue |
| 2. Erythr/o | 2. Red |
| 3. Albin/o | 3. White |
| 4. Xanth/o | 4. Yellow |
| 5. Melan/o | 5. Black |

Disease and Disorder Terms:

Term	Definition
Dermatoconiosis	abnormal condition of the skin caused by dust
Dermatofibroma	fibrous tumor of the skin
Hidradenitis	inflammation of a sweat gland
Keratosis	Abnormal growth of horny tissue (keratin)
Onychomalacia	softening of the nails
Onychomycosis	abnormal condition of a fungus in the nails

Disease and Disorder Terms:

Term	Definition
Pachyderma	thickening of the skin
Seborrhea	discharge of sebum
Xanthoma	yellow tumor (benign, primarily in the skin)
Xeroderma	dry skin (a cutaneous disorder characterized by keratinization and noninflammatory scaling).
Leiodermia	condition of smooth skin
Leukoderma	white skin (white patches caused by depigmentation)

Surgical Terms:

Term	Definition
Dermatoplasty	surgical repair of the skin
Dermatoautoplasty	surgical repair using one's own skin (skin graft) (also called autograft)
Dermatoheteroplasty	surgical repair using skin from others (skin graft) (also called allograft)
Dermatome	instrument used to cut skin
Rhytidectomy	excision of wrinkles (also called facelift)
Rhytidoplasty	surgical repair of wrinkles

Complementary Terms:

Term	Definition
Dermatologist	physician who studies and treats skin
Dermatology	study of the skin
Epidermal	pertaining to upon the skin
Erythroderma	red skin (abnormal redness of the skin)
Hypodermic	pertaining to under the skin
Intradermal (ID)	pertaining to within the skin
Keratogenic	producing horny tissue
Necrosis	abnormal condition of death (tissue or cell)
Percutaneous	pertaining to through the skin

Questions and Comments:

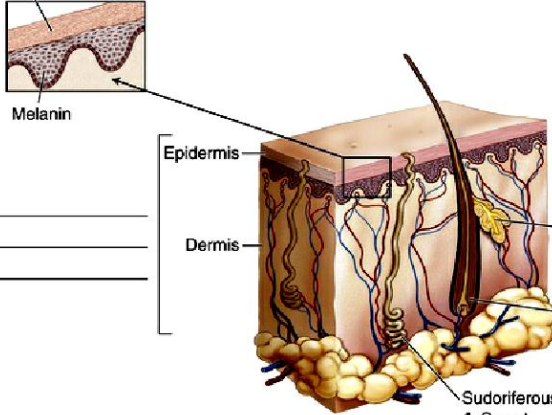


Exercises



EXERCISE 1: Fill in the blanks with Combining Forms:

1. Horny tissue CF: _____



2. Skin
CF: _____
CF: _____
CF: _____

Epidermis

Dermis

Sebacous gland

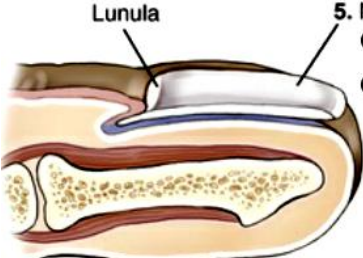
3. Sebum
CF: _____

Hair follicle

Sudoriferous (sweat) gland

4. Sweat
CF: _____

EXERCISE 2: Fill in the blanks with Combining Forms:



Lunula

5. Nail
CF: _____
CF: _____

EXERCISE 3:

Step 1: Write the definitions after the following combining forms.

Step 2: Match the descriptions on the right with the combining forms and definitions. Answers may be used more than once.

- | | |
|---------------------------|---|
| _____ 1. derm/o, dermat/o | A. secreted from sudoriferous glands |
| _____ 2. seb/o, | B. secreted from sebaceous glands |
| _____ 3. onych/o | C. horny plates made from flattened epithelial cells. |
| _____ 4. cutane/o | D. organ covering the body; made up of layers. |
| _____ 5. kerat/o, | E. scleroprotein component of the |
| _____ 6. ungu/o, | horny, or cornified, layer of |
| _____ 7. hidr/o, | the epidermis |

Questions and Comments:

