

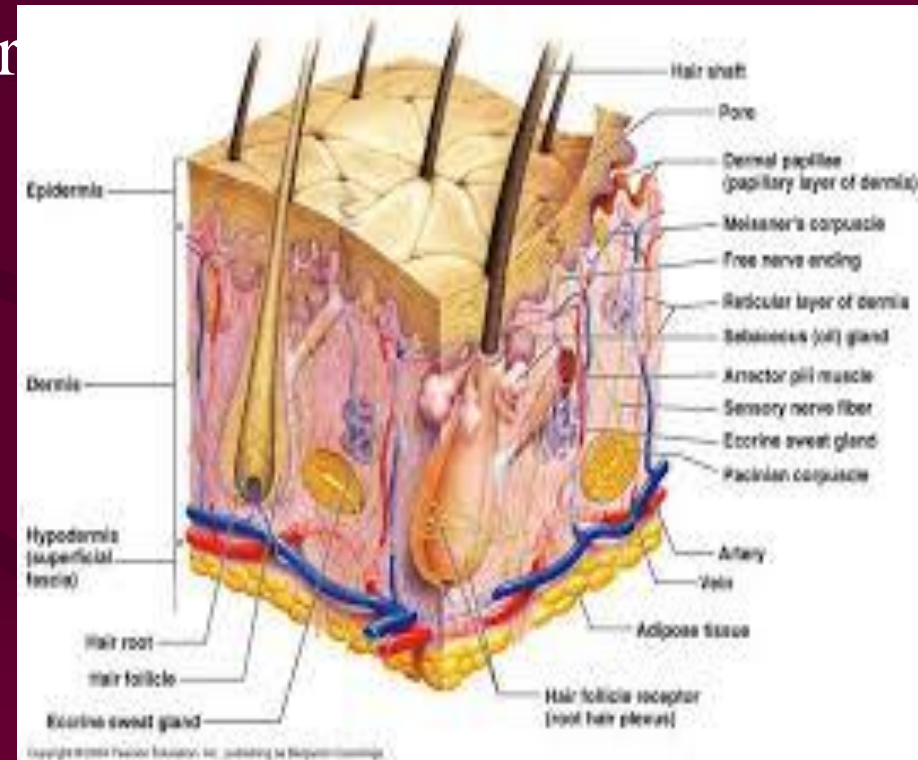
# Medical Terminology

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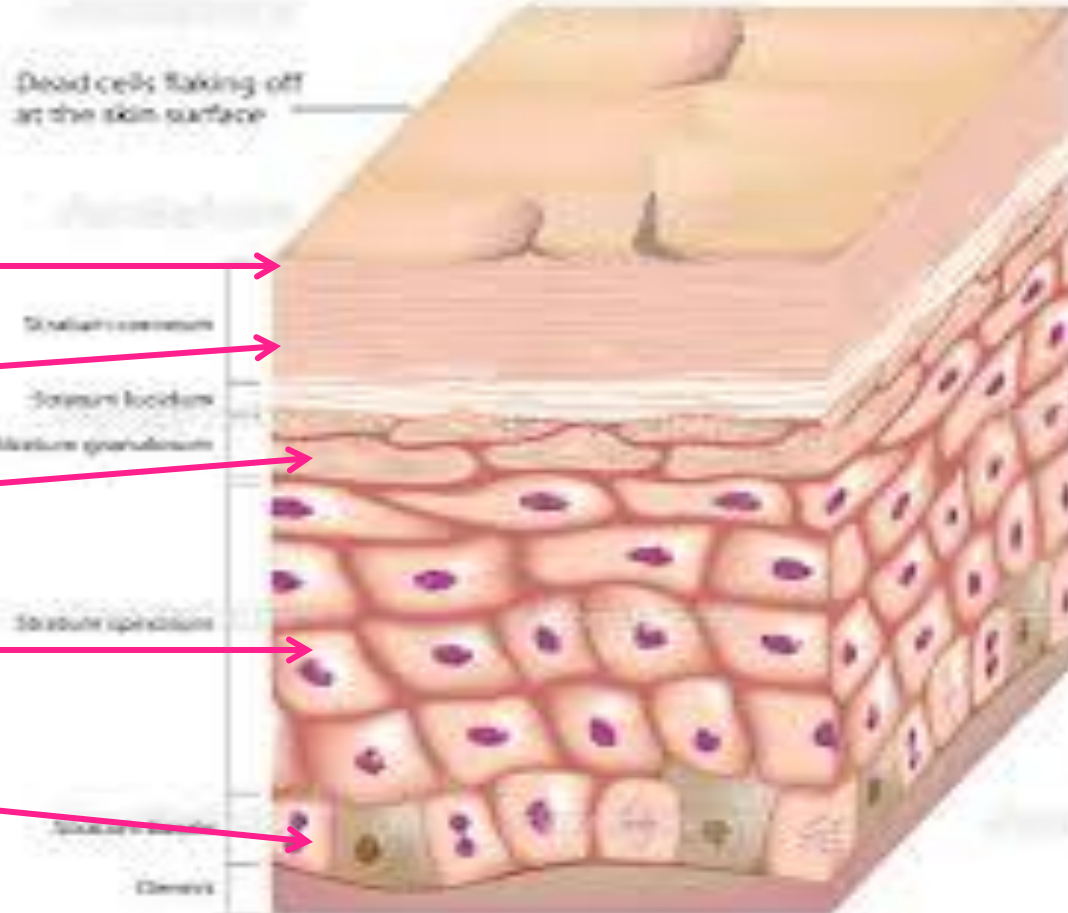
# Integumentary System

## Functions of the Integumentary System

- skin
  - protects against bacterial invasion
  - reservoir for food and water
  - sensory receptor
  - synthesis of vitamin D
  - regulate body temperature and water
  - prevents dehydration



## Anatomy of the Epidermis



Stratum corneum  
(Horny)

Stratum lucidum  
(clear)

Stratum granulosum  
(granular)

Stratum spinosum  
(prickly)

Stratum basale  
(basal)

cutane/,

dermat/,

derm/

Skin (WR)

## Epi – dermis

Above - skin

Prefix - WR

- outermost epithelial layer, has keratin layer, with no blood vessels or nerve supply

## Dermis

skin

WR

- Living Tissue, has capillaries, lymphatics, nerve endings, hair follicles & glands

# Hypo – dermis / Sub - cutaneous

Below - skin

Prefix - WR

Below - skin

Prefix - WR

- connective tissue layer, specializes in formation of fat

adip/, lip/, steat/

Fat (WR)

- Adipo - cyte. (fat (WR) – cell(WR))
- Lipo - lysis (fat (WR) – removing or melting (Suffix))
- Steato - rrhea (fat (WR) – discharge (Suffix))

hidr/,      sudor/

sweat (WR)

- **Hyper** – **hidr** – **osis**  
Excessive (prefix) – sweating (WR) - abnormal condition (suffix)

- **Sudor** - **iferous**  
Sweat (WR) – yielding (suffix)

ichthy/

dry, scaly (WR)

- **Ichthy** - **osis**: Dry skin (WR) – abnormal condition (suffix)
- Several dermatological condition characterized by non-inflammatory dryness and scaling of the skin, commonly associated with other abnormalities of lipid metabolism.

# Kerat/

Horny or hard tissue (WR)

- **Kerat** - **-osis**

Hard tissue (WR) - abnormal condition (suffix)

Overgrowth and Thickening of skin

# myc/

Fungus (WR)

- **Dermato** - **myc** - **osis**

Skin (WR) - Fungus (WR) - abnormal condition (suffix)

fungal infection of the skin

onych/

Nail (WR)

- Onycho - malacia

Nail (WR) - softening(suffix)

abnormal softening of the nails

melan/

Black (Prefix)

- Melano - cyte

Black (Prefix) - cell (WR)

cell responsible for coloration of skin



pil/, trich/

Hair (WR)

- **Pilo - cystic**

Hair (WR) - Cyst (WR)

Dermoid cyst containing hair

- **Tricho - myc - osis**

Hair (WR) - Fungus (WR) - abnormal condition (suffix)

Fungal infection of hair

scler/

Hardening of skin (Prefix)

- **Sclero - derma**

Hardening (Prefix) - Skin (WR)

abnormal hardening of the skin caused by formation of new collagen

Xer/

dry (WR)

- Xero - derm - a

Dry (WR) - Skin (WR) (suffix)

excessive roughness and dryness of the skin

erythr/

red colour (Prefix)

- Erythro - derm - a

Red (Prefix) - Skin (WR) (suffix)

redness of the skin

-/therapy

Treatment (Prefix)

- **Photo - therapy**

Light (Prefix) - treatment (WR)

using the light to eliminate bilirubin in the blood (in jaundice of Baby) .

seb/

oil (WR)

• **Sebo** - **rrheic**      **Dermat** - **itis**

**Oil** (WR) - **discharge** (suffix)      **Skin** (WR) - **Inflammation** (suffix)

inflammatory skin condition causes scales on oily areas

squam/

scale like (WR)

• **Squam** - **ous**      **cell**      **carcin** -      **oma**

• **Scale like** (WR) - **relating to** (suffix)      **malignancy in epithelium**(WR) - **Tumor**(suffix)

malignant tumour arises from epidermis (keratinising cells)

**THANK YOU**