



Integumentary System:

جامعة ساوة

كلية التقنيات الصحية والطبية

قسم تقنيات التخدير

2:المرحلة

Lec:3

Dr.Ali A.Obais

Integumentary System:

- The integumentary system is one of the largest body systems and makes up approximately 16% of total body weight.
- The main component of this system is the skin, which is responsible for much more than simply contributing to your outward appearance.
- - The skin protects the inner organs, controls thermoregulation, functions as a sensory organ, and is necessary for vitamin D synthesis.

Integumentary System:

The skin covers the entire body. It is part of the **integumentary system**, which also includes the accessory structures: **hair, nails,** and **sebaceous** (oil) and **sudoriferous** (sweat) glands.

Integumentum is Latin for “**covering**” or “**shelter.**” Coupling the root **dermat/o** with the previously learned suffix **-logy** gives us the term **dermatology**, which is the term for the specialty that deals with the skin. The physician who specializes in the diagnosis and treatment of skin disorders is called a **dermatologist.**

WORD ELEMENT	WORD ELEMENT	EXAMPLE
albin/o	white	albinism
jaund/o, xanth/o	yellow	jaundice, xanthoderma
cutane/o	skin	cutaneous
cyan/o	blue	cyanosis
-cyte, cyt/o	cell	melanocyte
derm/o, dermat/o	skin	dermatitis
epi-	upon	epidermal
erythr/o	red	erythema
ichthy/o	dry, scaly (fish-like)	ichthyosis
leuk/o	white	leukoderma
melan/o	black	melanoma
myc/o	fungus	dermatomycosis
onych/o	nail	onychophagia
scler/o	hardening	scleroderma
sub-	below	subcutaneous
sudor	sweat	sudoriferous
xer/o	dry	xeroderma

Cyanosis: is defined as a blue pigmentation of the skin.

Melanocytes: are melanin-producing cells.

Erythema: is redness of the skin.

Melanoma: is a form of skin cancer (tumor) that begins in cells known as melanocytes.

Mycosis: is an infectious disease caused by pathogenic fungus.

Albinism: is disorder that causes the skin, hair, or eyes to have white color (no color).

Jaundice: is a yellowish pigmentation of the skin and eyes

Onychophagia: is the clinical name for fingernail biting.

Basic Noun and Adjective Suffixes

(noun form)	-a, -e, -um, -is
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causing	-genic
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Tests and Procedures

removal of	-ectomy
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Pathology or Function

blood (condition of)	-emia
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inflammation	-itis
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disease	-pathy
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excessive flow	-rrhag(e/ia)
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Hepatic: related to the liver, Example : **Hepatomegaly**

Pulmonary: related to the lungs, Ex: **Pulmonary infection**

Gastric: related to the stomach, Ex: **Gastrectomy**

Cholecystic: related to **gallbladder**, Ex: **Cholecystitis**

Enteric : related to intestine, Ex **Enteropathy . , Ex:**

Cardiology heart related to cardia .

Biology – the science that study of living organisms.

Microbiology: the science that study of micro-organisms.

Bacteriology, Virology , mycology; parasitology.

Physiology: the science that study function of organs.

Pathology: the science that study of diseases

Pharmacology: the science that study of drugs

Toxicology: the science that study of toxins

Histology: the science that study of tissues

Cytology: the science that study of cells Morphology- (Anatomy)

thankyou

وَلَسَوْفَ يُعْطِيكَ رَبُّكَ

فَتَرْضَىٰ



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