

Section IV – Integumentary System

The integumentary system is on the outer portion of the body and consists of the skin, hair, nails, sebaceous glands and sweat glands. This system provides a waterproof covering and prevents fluid loss, protects against injury, infection and toxic compounds. It is also a receptor for the sense of touch.

<u>Medical Words</u>	<u>Meaning</u>
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<u>Combining Forms</u>	
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hidr/o	sweat
lip/o, adip/o	fat
xer/o	dry
cutan/o, derm/o, dermat/o	skin
onych/o	nail
trich/o	hair
hist/o	tissue
cry/o	cold
diaphor/o	profuse sweating
necr/o	death
chrom/o	color
leuk/o	white
cyan/o	blue
erythr/o	red
xanth/o	yellow
melan/o	black
albin/o	white
caus/o	burning

<u>Suffixes</u>	
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-cele	hernia
-cyte	cell
-penia	decrease
-derma	skin
-tome	instrument used to cut

Medical Terms

Skin (derm/o, dermat/o, cutan/o)

derm/o/pathy - disease of the skin

dermat/o/plasty – surgical repair of the skin or plastic surgery

2 layers of skin

epi/dermis – above the skin (outer layer)

sub/cutan/ous – under the skin

dermat/o/logy – study of the skin

dermat/o/logist – specialist in the study of skin

dermat/o/scler/osis – abnormal condition of hardening of the skin

scler/oderma – disease of scarring or hardening of the skin

Sweat (hidr/o)

hidr/osis – abnormal condition of sweating

hidr/o/rrhea – flow of sweat or excessive sweating

Gland (aden/o)

aden/oma – tumor of a gland

hidr/aden/oma – tumor of the sweat gland

Fat (adip/o, lip/o)

adip/ectomy or lip/ectomy – excision of fat

lip/o/cytes – fat cells

lip/o/cele – hernia containing fat or fatty tissue

Colors (chrom/o)

leuk/o/derma – skin that is white

cyan/o/derma – skin that is blue

erthr/o/derma – skin that is red

melan/o/derma – skin that is black

xanth/o/derma – skin that is yellow

xer/o/derma – skin that is dry

Cell (-cyte)

erythr/o/cyte – cell that is red

melan/o/cyte – cell that is black

xanth/o/cyte – cell that is yellow

Abnormal conditions (-osis)

cyan/osis – abnormal condition of blue (skin)

erythr/osis – abnormal condition of red (skin)

Tumor (-oma)

melan/oma – black tumor

xanth/oma – yellow tumor (may be caused by high cholesterol levels)

Blood (-emia)

leuk/emia – white blood (malignant disease with increased white blood cells or

leu/o/cytes)

Abbreviations

bx	biopsy
I&D	incision and drainage
UV	ultraviolet
imp	impression

Worksheet – Section IV – Integumentary System

Complete the following matching.

- | | | | |
|-----------|----------------------------|----|----------|
| _____ 1. | black | A. | adip/o |
| _____ 2. | blue | B. | derm/o |
| _____ 3. | blood | C. | hidr/o |
| _____ 4. | cell | D. | cyt/o |
| _____ 5. | decrease | E. | cyan/o |
| _____ 6. | disease | F. | erythr/o |
| _____ 7. | dry | G. | onych/o |
| _____ 8. | fat | H. | scler/o |
| _____ 9. | flow, discharge | I. | trich/o |
| _____ 10. | hair | J. | xer/o |
| _____ 11. | hardening | K. | leuk/o |
| _____ 12. | hernia | L. | melan/o |
| _____ 13. | nail | M. | xanth/o |
| _____ 14. | red | N. | -cele |
| _____ 15. | self | O. | -ology |
| _____ 16. | skin | P. | -ologist |
| _____ 17. | softening | Q. | -oma |
| _____ 18. | specialist in the study of | R. | -penia |
| _____ 19. | study of | S. | -pathy |
| _____ 20. | sweat | T. | -rrhea |
| _____ 21. | tumor | U. | epi- |
| _____ 22. | under, below | V. | sub- |
| _____ 23. | upon, above | W. | -malacia |
| _____ 24. | white | X. | -emia |
| _____ 25. | yellow | Y. | auto- |

Match the following

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|-----------|------------------|----|---|
| _____ 26. | adipoccele | A. | beneath layers of skin |
| _____ 27. | autograph | B. | condition in which a person sweats excessively |
| _____ 28. | dermatologist | C. | any disease of the hair |
| _____ 29. | dermatosclerosis | D. | graft transferred from one part to another part of the body |
| _____ 30. | hidrorrhea | E. | yellow skin tumor due to lipid deposits |
| _____ 31. | xeroderma | F. | benign tumor composed of fat cells |
| _____ 32. | melanoma | G. | excessive production of white blood cells |
| _____ 33. | onychoma | H. | hernia that contains fat or fatty cells |
| _____ 34. | subcutaneous | I. | physician who specializes in skin diseases |
| _____ 35. | trichopathy | J. | excessive dry skin |
| _____ 36. | xanthoma | K. | black or dark tumor |
| _____ 37. | leukemia | L. | abnormal condition of skin hardening |
| _____ 38. | lipoma | M. | tumor of the nail or nail bed |

Vocabulary

- 39. clubbing –
- 40. lesion –
- 41. contusion –
- 42. ecchymosis –
- 43. nodule –
- 44. abscess –
- 45. cyst –
- 46. abrasion –
- 47. decubitus ulcer –
- 48. callus –
- 49. granulation tissue –
- 50. keloid –
- 51. gangrene –
- 52. debridement –
- 53. scabies –