Lab 7 – Integumentary System and Oral Cavity

Digital Histology – review slides in Skin (skip details in electron micrographs); Digestive System - Oral Cavity (skip salivary glands for now)

Integument

Terms and structures to know

epidermis (including layers)
dermis (including layers)
hypodermis
dermal papillae
epidermal pegs
keratinocytes
keratin
keratohyalin granules
melanocytes
melanin
melanosomes
Langerhans cells
Meissner's corpuscle
Pacinian corpuscle
hair follicles
    hair bulb
    papilla
    arrector pili muscle
sebaceous gland
eccrine sweat gland
apocrine sweat gland

Examine these slides:

4 – skin *identify layers of the epidermis and dermis; identify the hypodermis; find sweat glands and hypodermis; look for melanocytes*

29 – skin corpuscle *identify Pacinian corpuscles mostly found in the hypodermis*

44 – cornified skin *identify layers of the epidermis and dermis including the stratum lucidum; identify Meissner's corpuscles in the dermal papillae*

45 – scalp *identify layers of the epidermis and dermis, sweat and sebaceous glands ; examine and identify different parts of hair follicle including arrector pili muscle*

Oral Cavity

Terms and structures to know

filiform papillae
fungiform papillae
circumvallate papillae
foliate papillae
serous glands of von Ebner/von Ebner glands
taste buds
teeth
    enamel
    dentin
    cementum
    pulp cavity
    root canal
tonsils

Examine these slides:

31 – tongue & tastebuds *identify muscles and glands within the tongue; identify foliate papillae on the surface of the tongue and find some taste buds*

34 – palatine tonsil *review the structure of a tonsil including the epithelial surface*

54 – tongue *identify muscles and glands within the tongue; identify filiform papillae*

deer incisor (in slot 99 or 100 in slide box) *this is the root of an incisor; identify dentin and pulp cavity and examine cementum layers/rings*