

A215 Lab - Scope Day 3

Integumentary/Bone/Cartilage

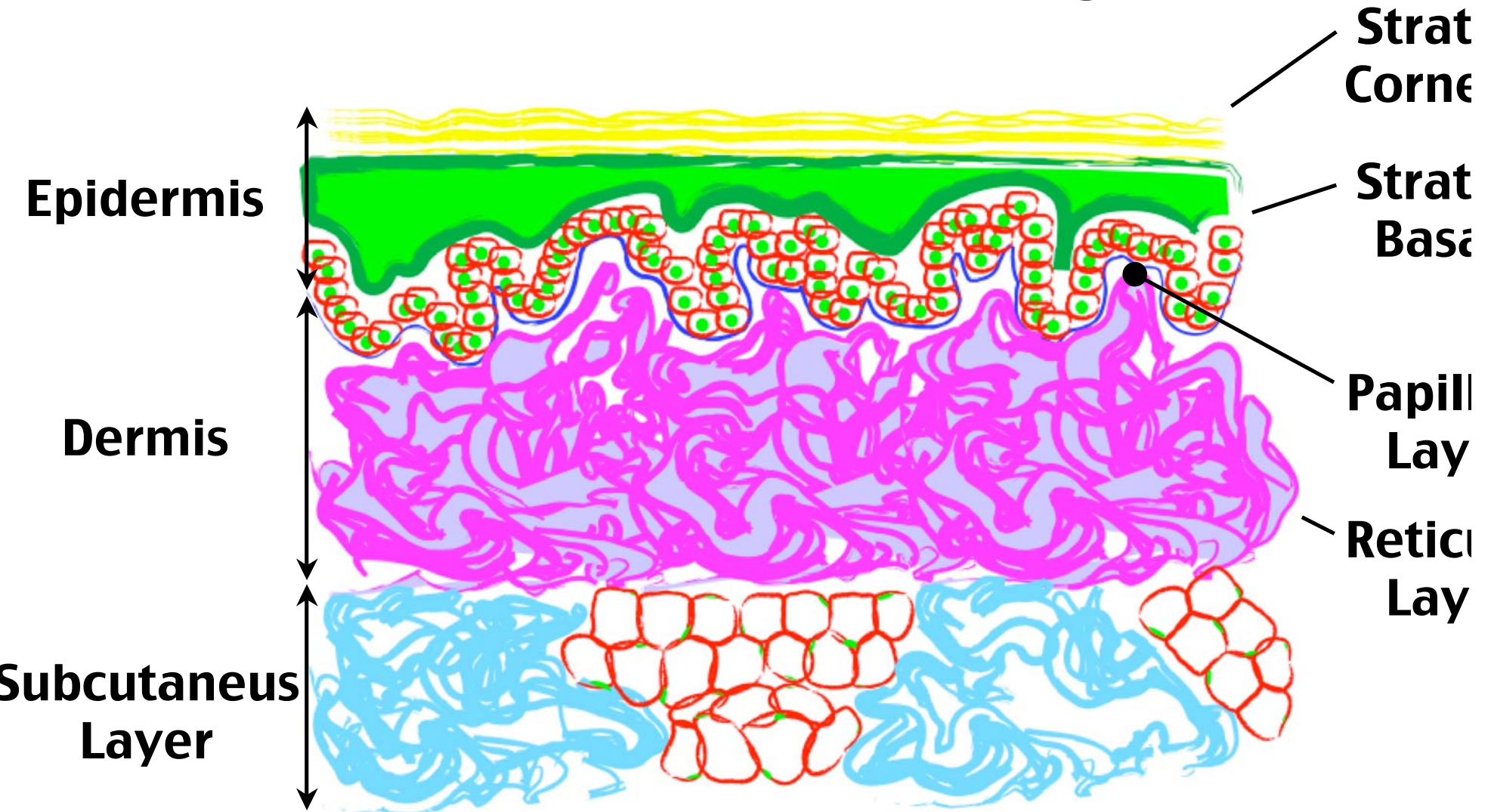
Integumentary System

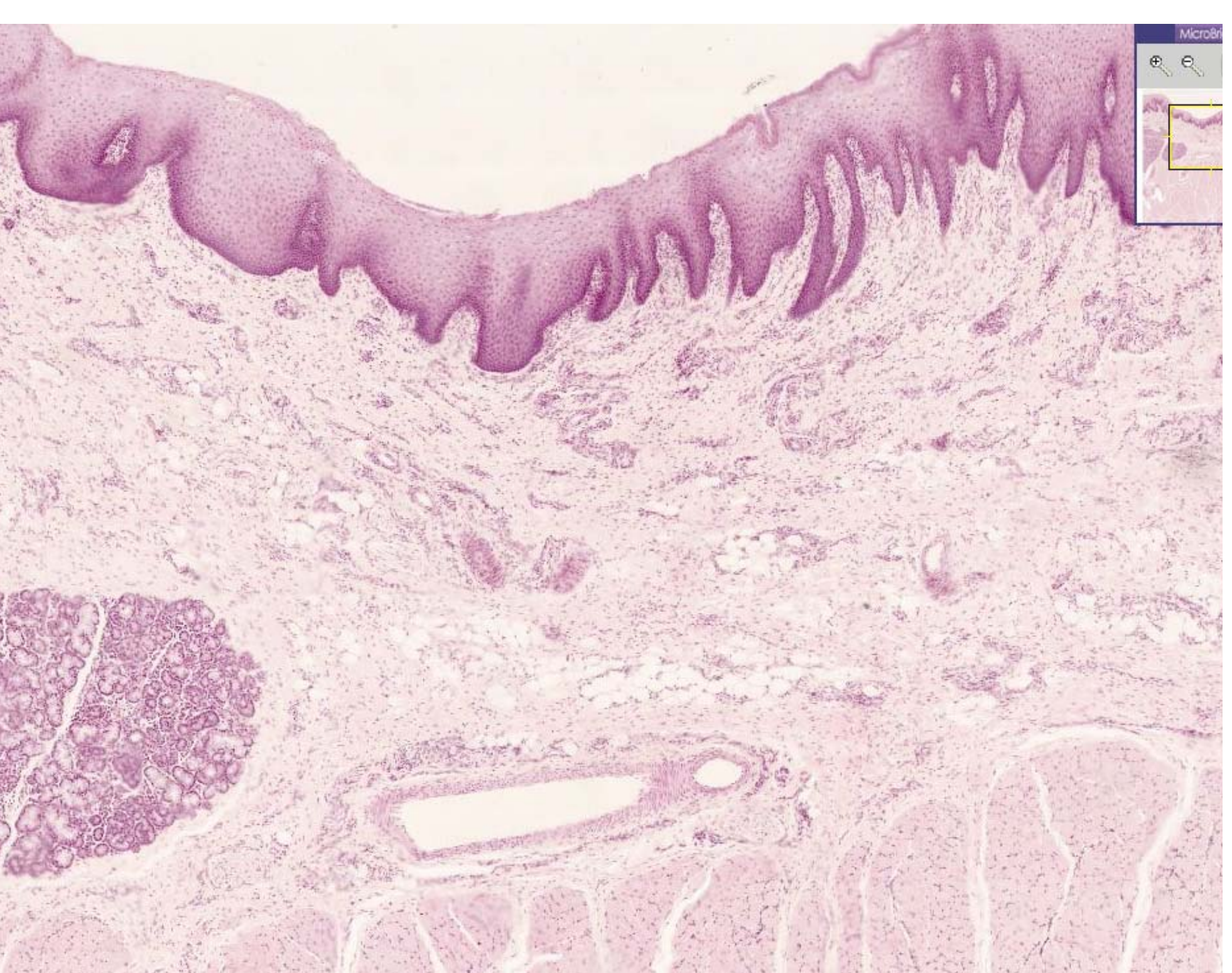
- Skin
- Functions: Protection, temperature reg., excretion, sensation, and Vitamin D production

Layers of Integument

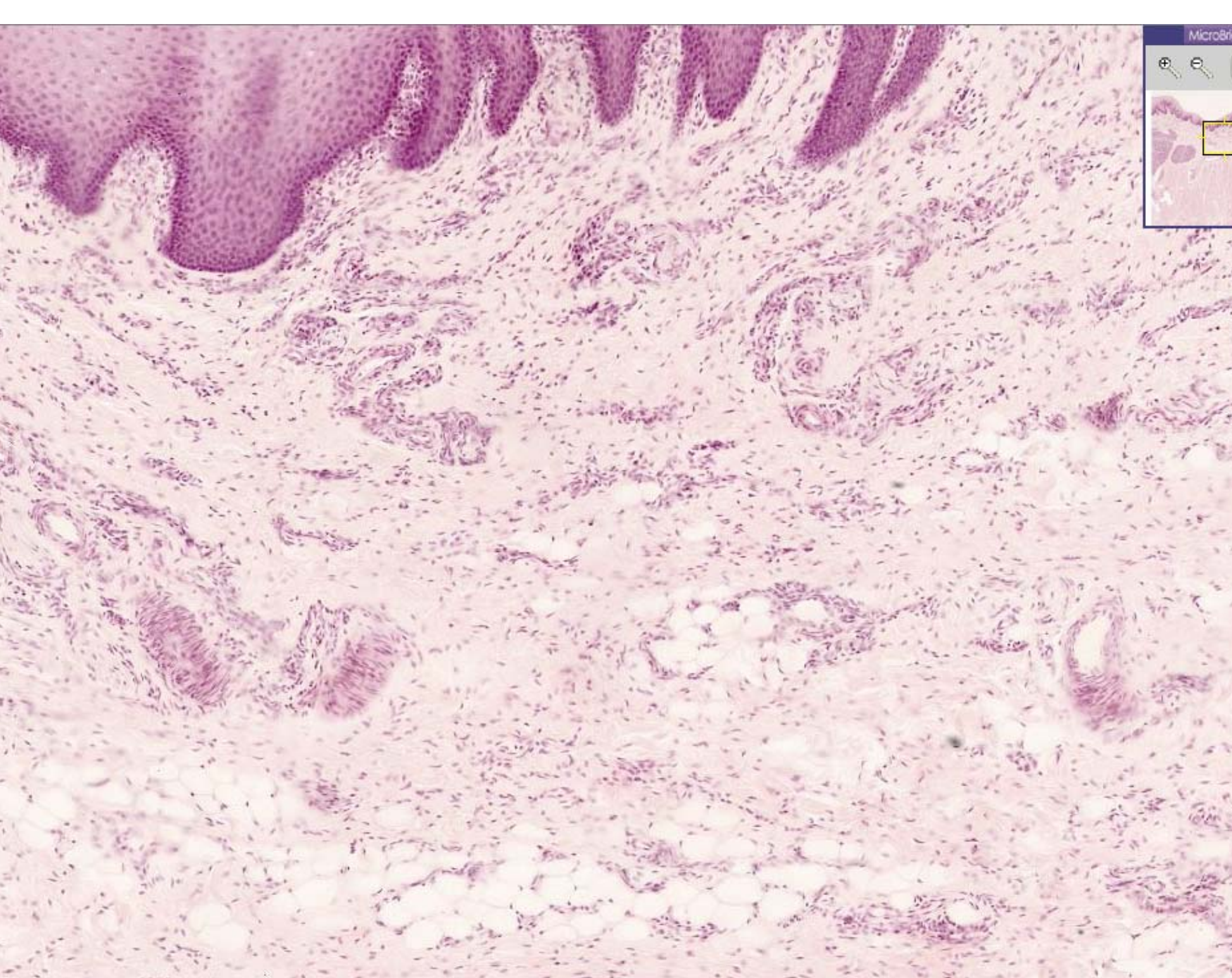
- Epidermis
 - Stratum Corneum
 - Stratum Lucidum, Granulosum, Spinosum
 - Stratum Basale

LAYERS of the Integument









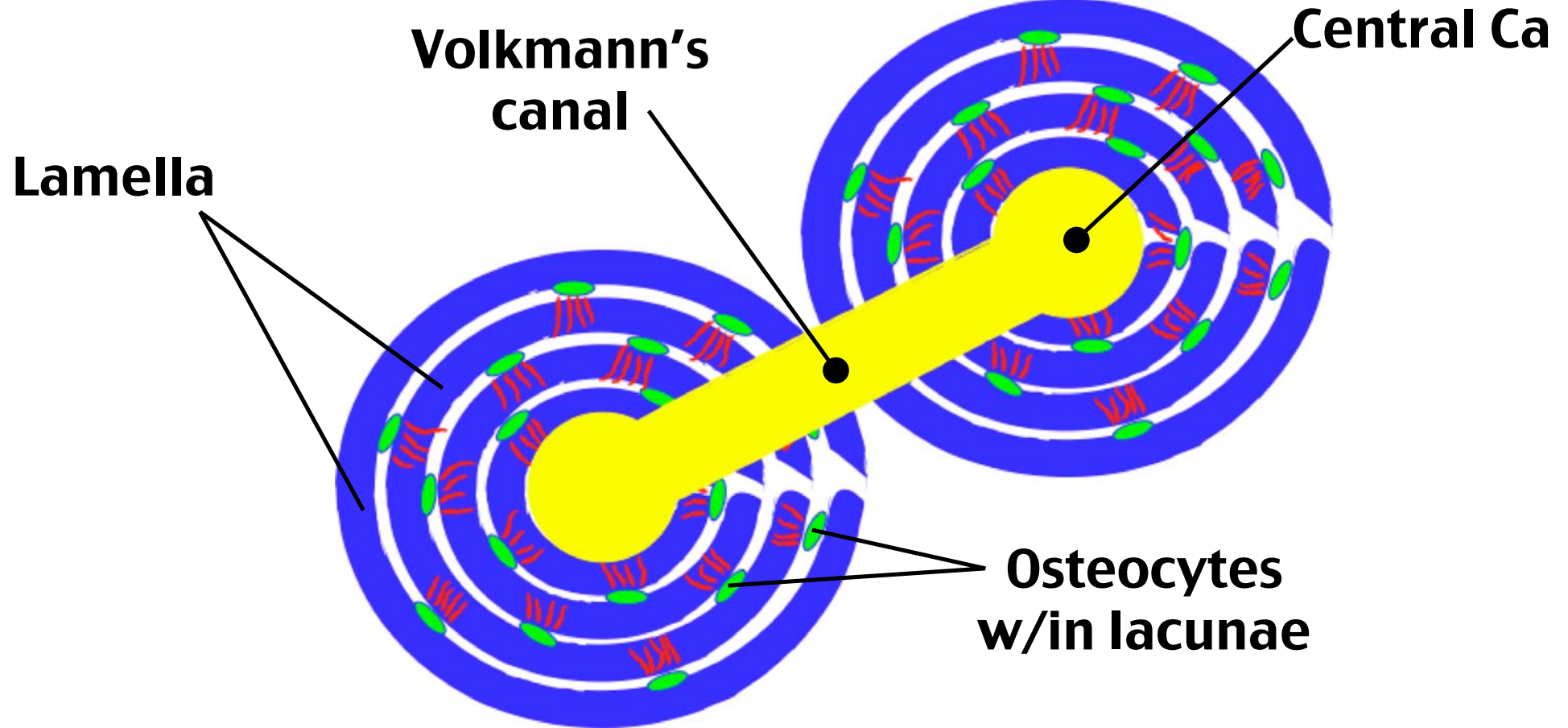
“Appendages” of the skin

- Thin Skin
 - Hair
 - Hair follicles
 - Arrector pili muscle
 - Glands
 - Sweat glands and Sweat Gland Ducts
 - Sebaceous glands
- *Look for these on models and demos*

Bone

- Haversian System (Osteon)
 - Structural unit of compact bone
 - Osteocytes - supporting cells of bone
 - Sit w/in space called Lacunae
 - Inorganic material - calcium deposits

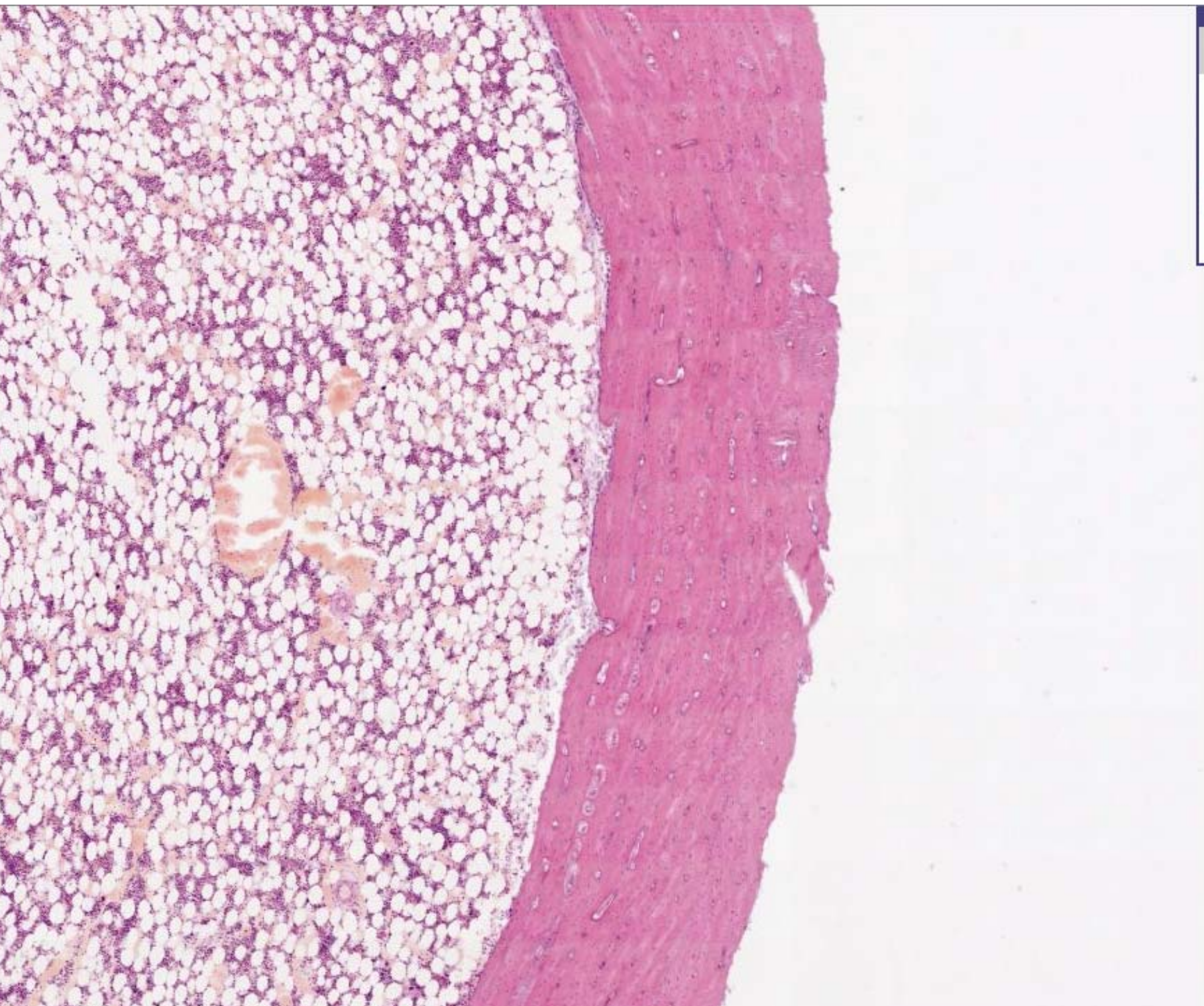
Haversian System

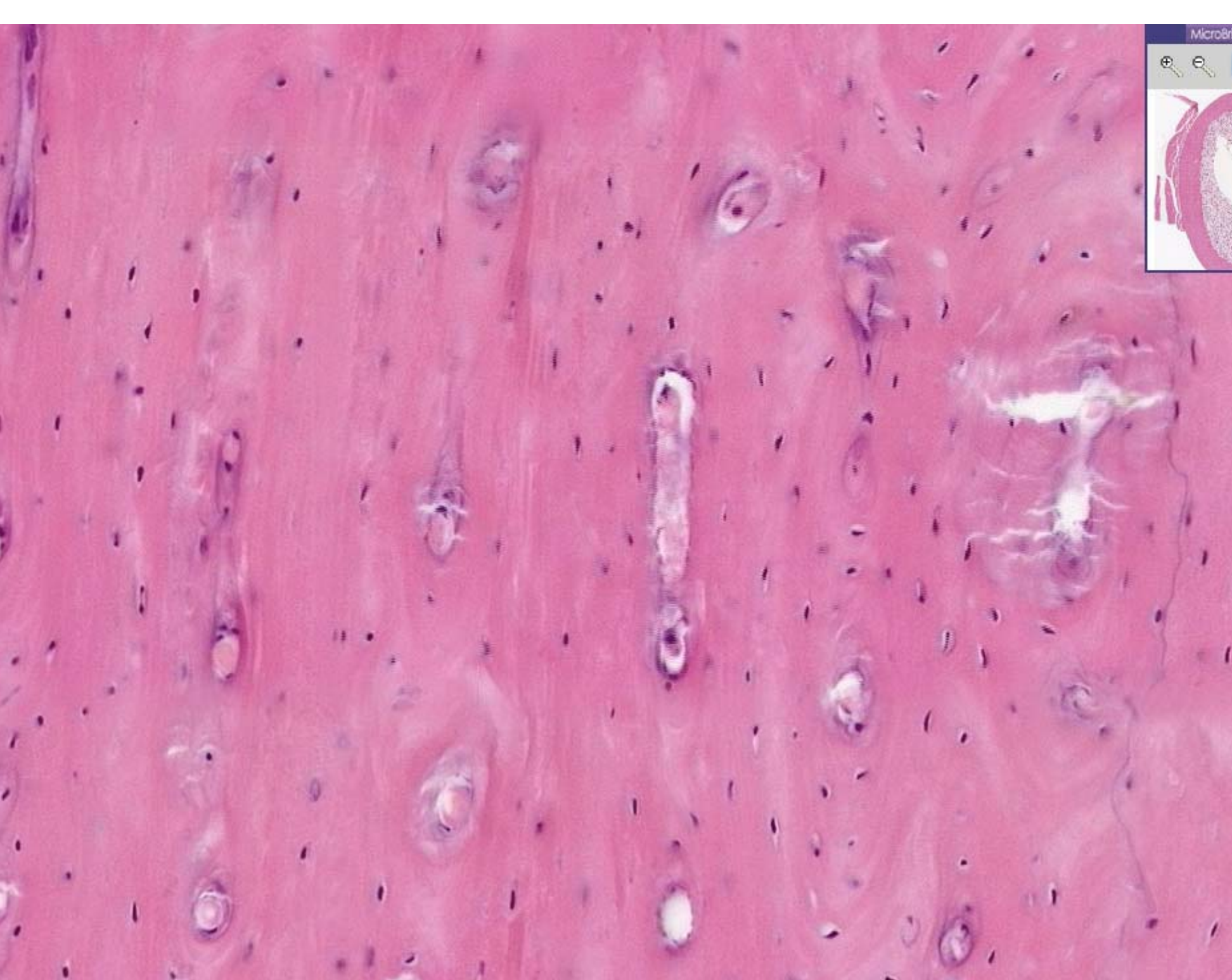


Decalcified
bone

Ground
bone

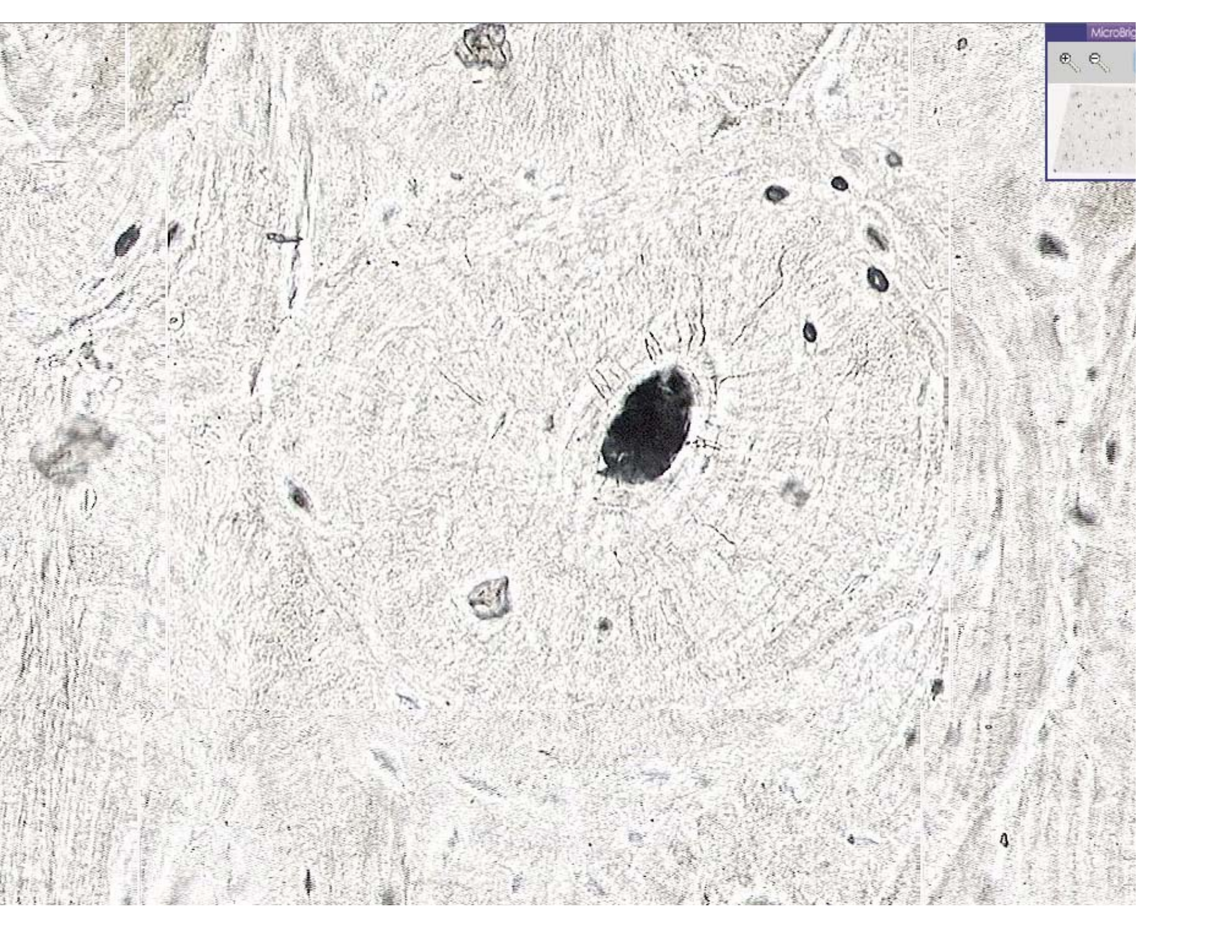












Cartilage

- Chondrocytes - supporting cells of cartilage
 - Sit w/in spaces called Lacunae
- Perichondrium - fibrous layer surrounding cartilage
- Types:
 - Hyaline Cartilage
 - Elastin, Fibrocartilage



