



# **Connective Tissue**

陈咏梅, 钱晓菁, 仇文颖

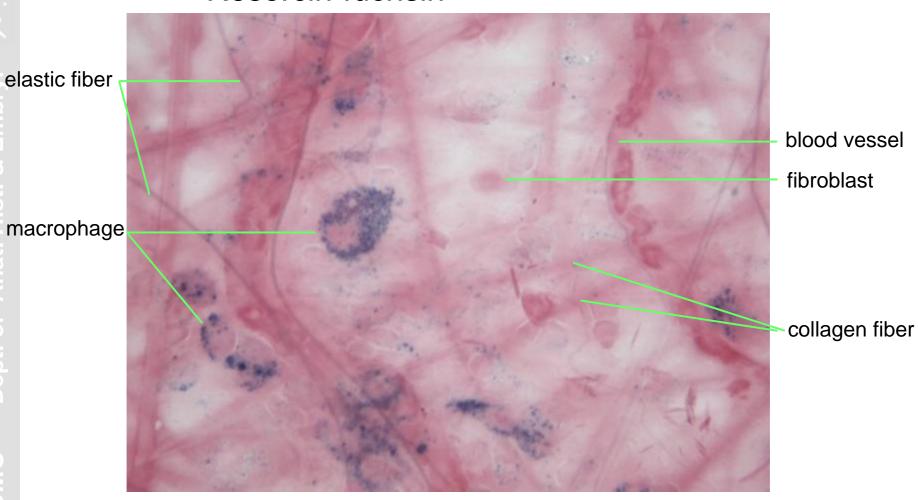
Dept. of Anatomy, Histology & Embryology Peking Union Medical College

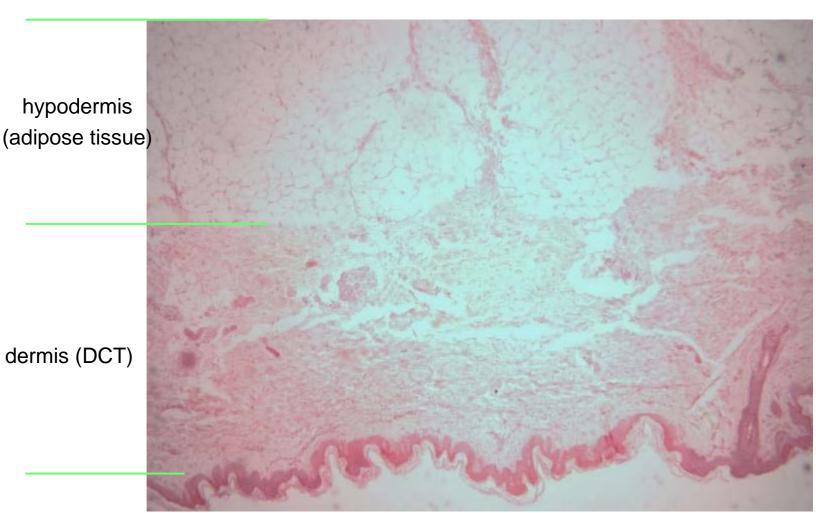
# **Objectives**

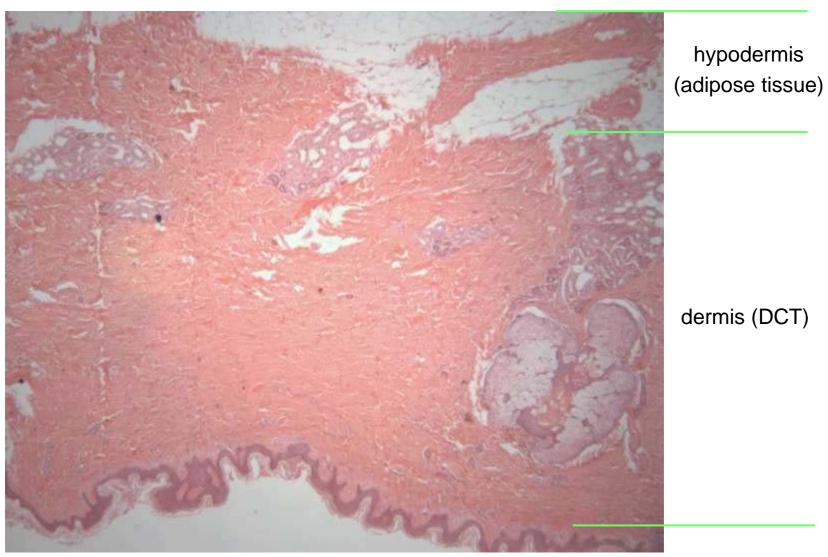
- The three classes of components cells, fibers, and ground substances - that comprise this tissue.
- The cell types of connective tissue and function of each.
- The three types of connective tissue fibers - their structural, characteristics.
- The blending in characteristic proportion of the basic components into connective tissues of various types and function.

#### 1. Loose connecting tissue

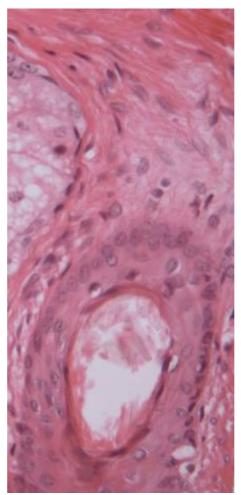
No. C1 Subcutaneous connective tissue, mount, Resorcin-fuchsin

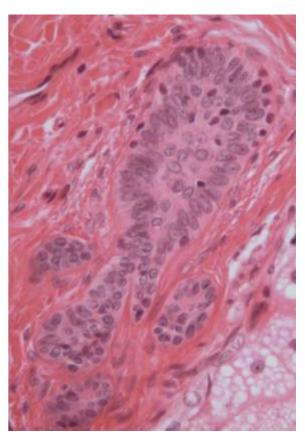


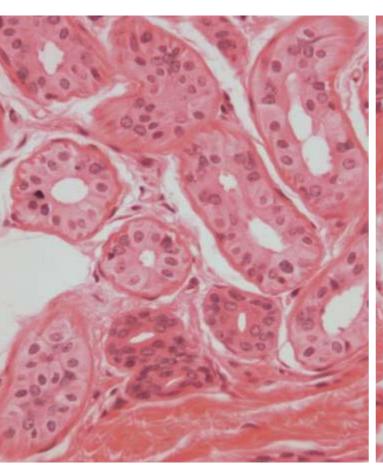


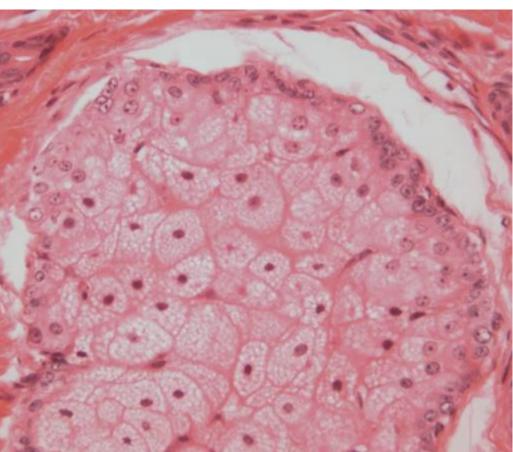


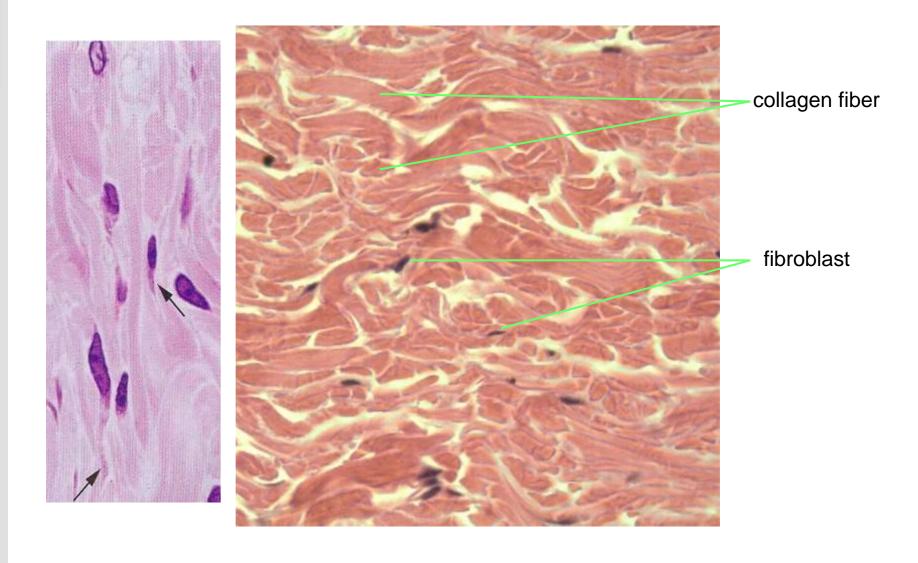




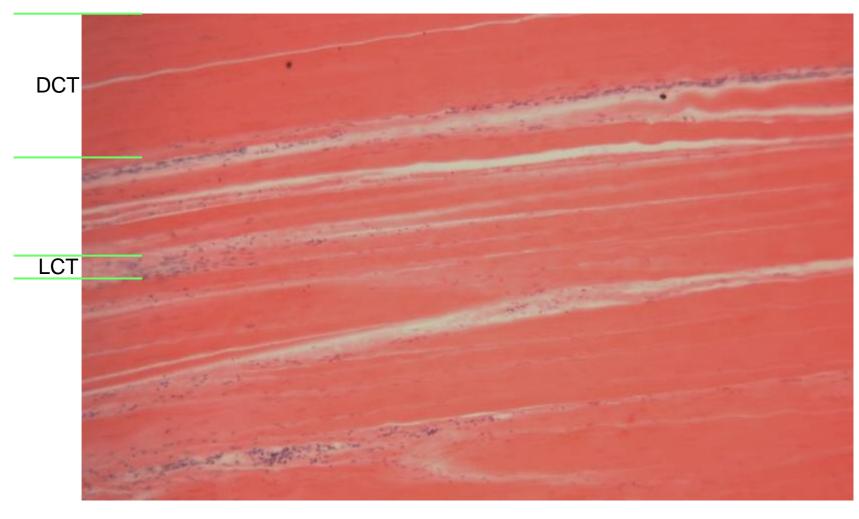




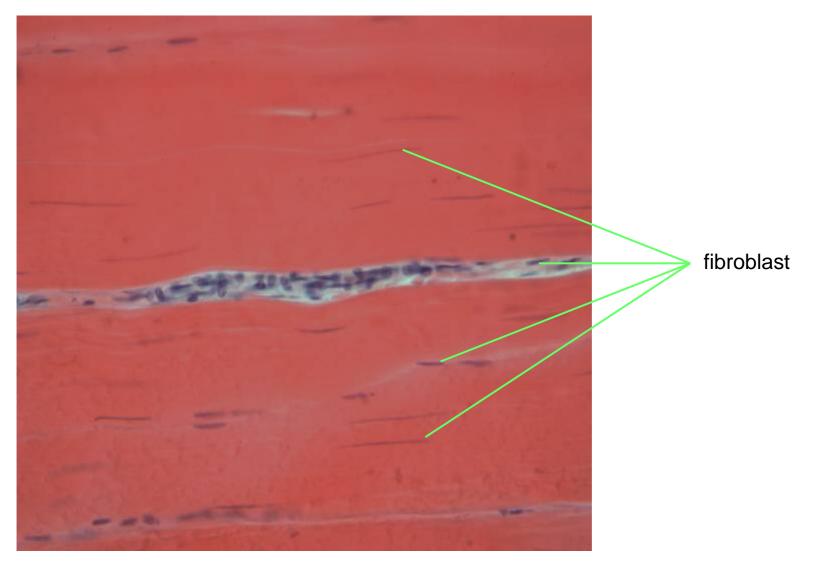




No. C4 Tendon, H.E., L.S.

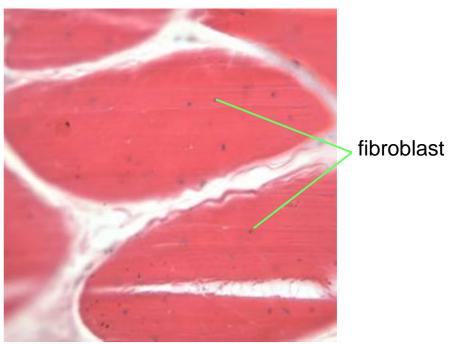


No. C4 Tendon, H.E., L.S.

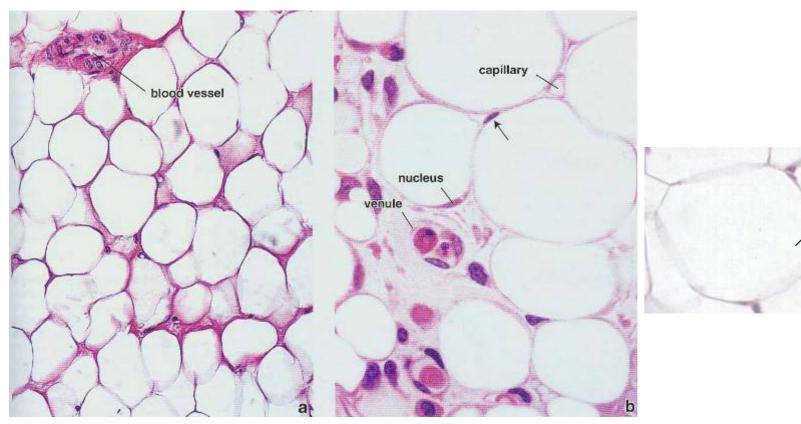


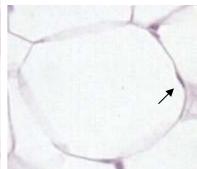
No. C5 Tendon, H.E., C.S.



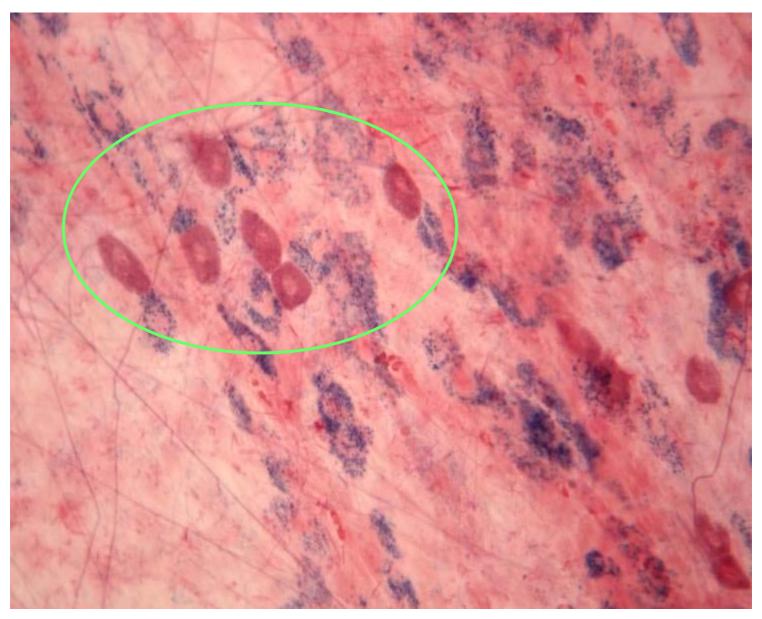


### **4. Adipose tissue** No. SK2 Skin, H.E.

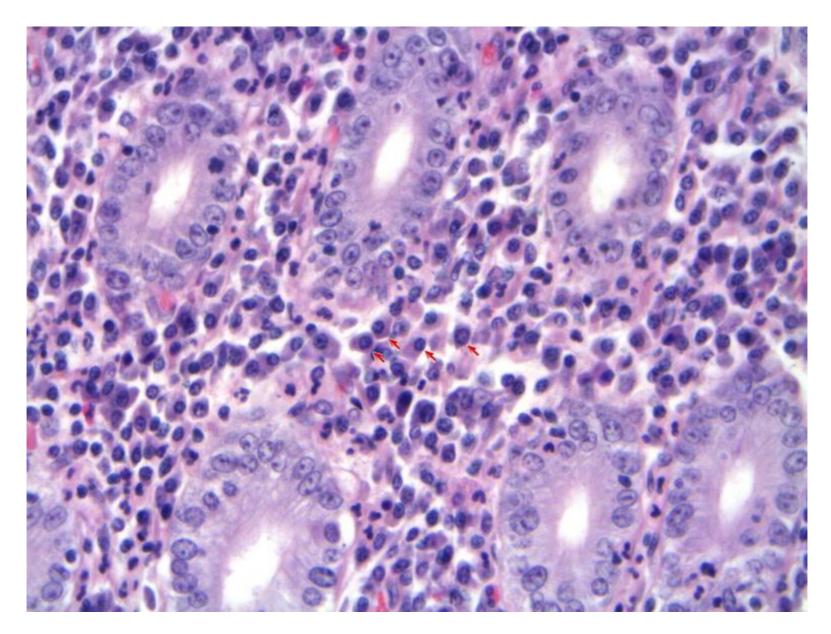




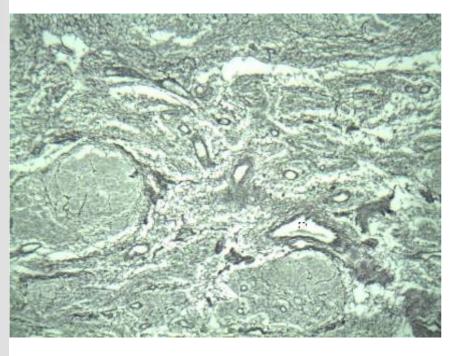
#### **Demonstration**: Mast cells, Resorcin-fuchsin

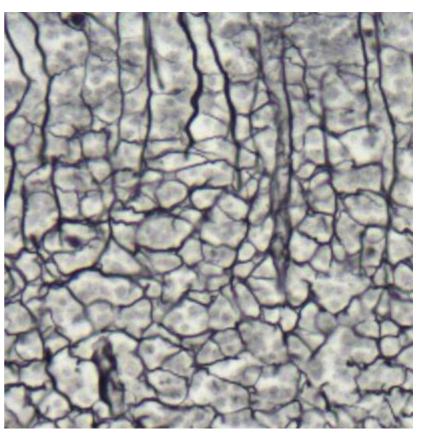


#### **Demonstration**: Plasma cells, H.E.



#### **Demonstration**: Reticular fibers, AgNO<sub>3</sub>





#### **Demonstration**: Elastic fibers, Resorcin-fuchsin

