

Tissue organization

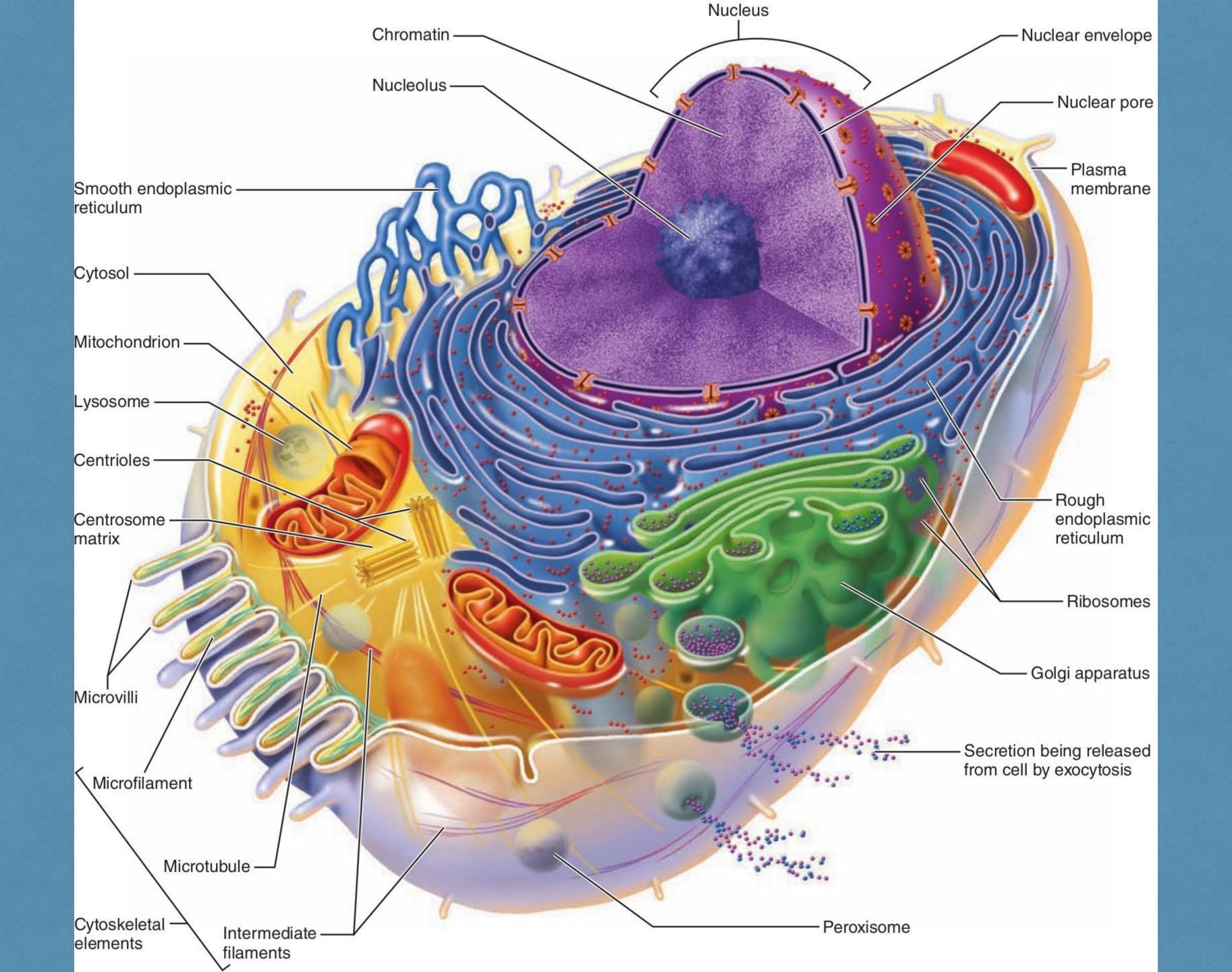
A presentation in anatomy by

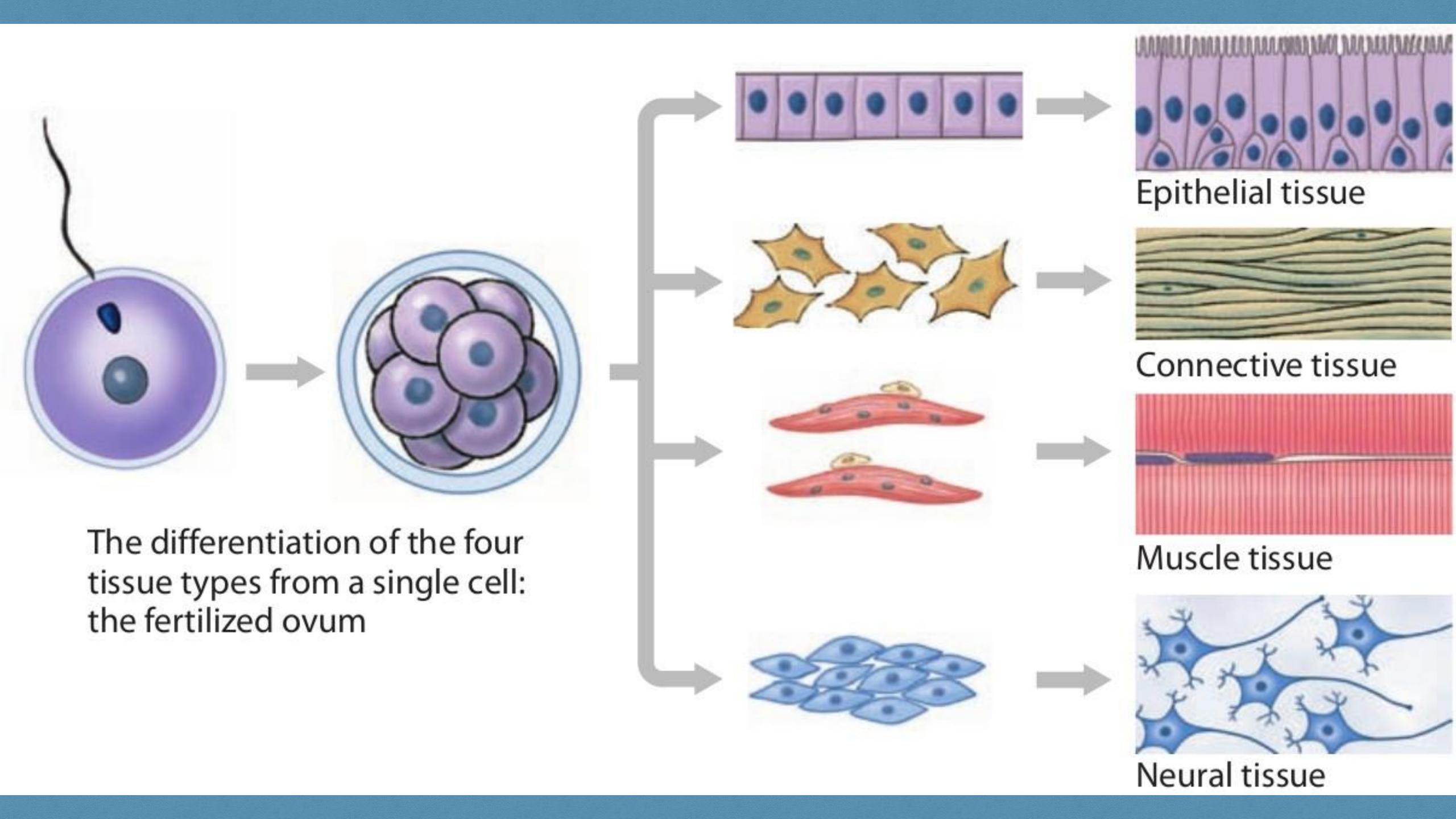
Dr. Ahmed Jawad MBChB, FIBMS - CTVS, FACS

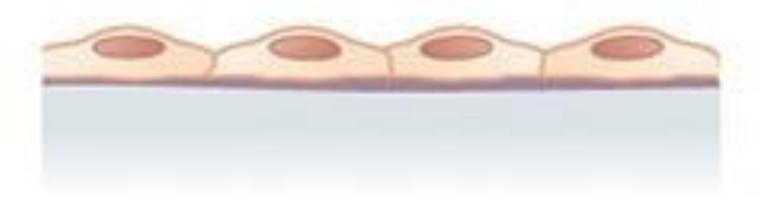
Dr. Huda fadhil MBChB, FIBMS - Family

Dr. Muhanned Sabah MBChB, FIBMS - Uro

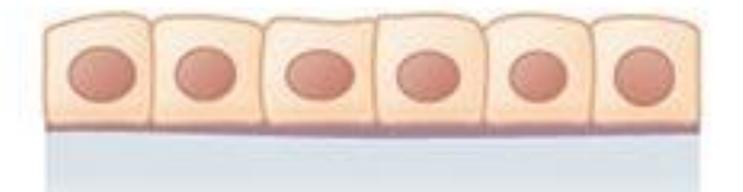
Department of anesthesia techniques Al-Mustaqbal University college



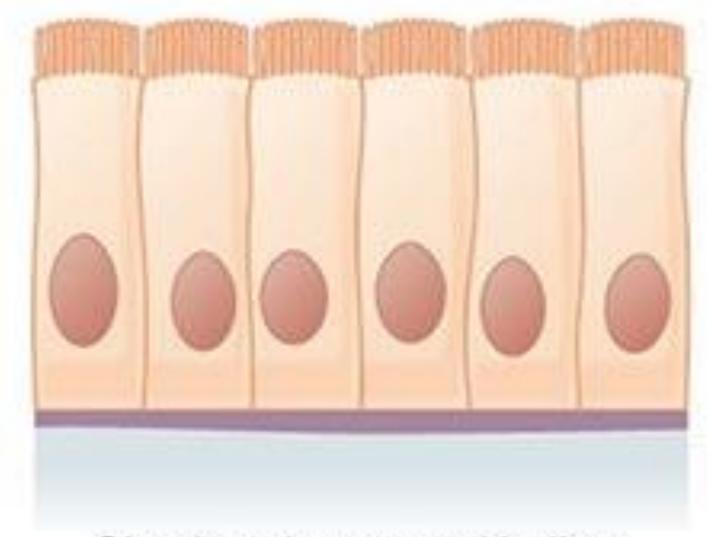




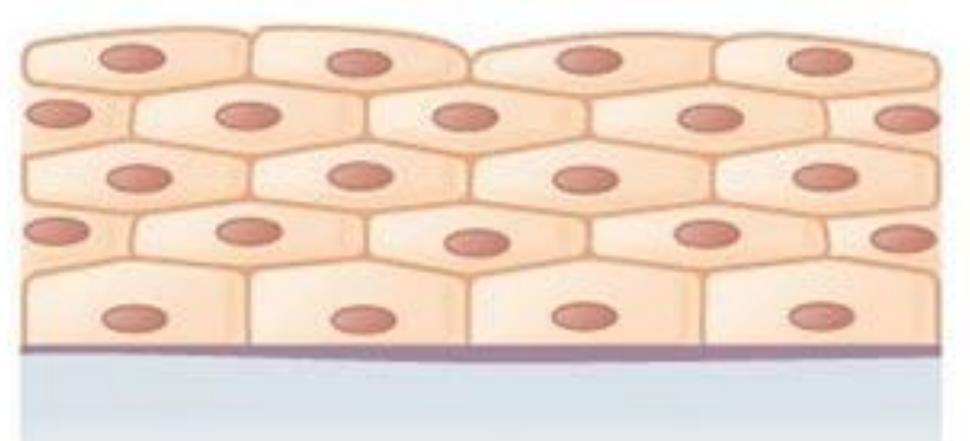
Simple squamous epithelium



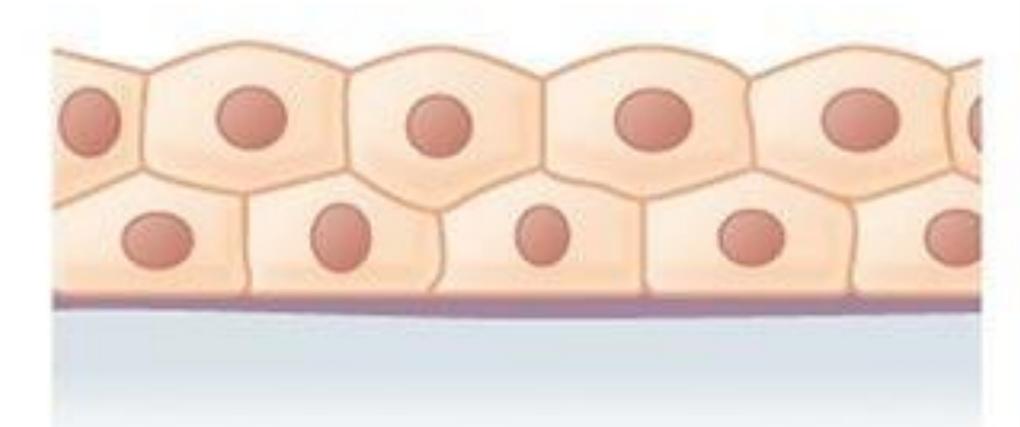
Simple cuboidal epithelium



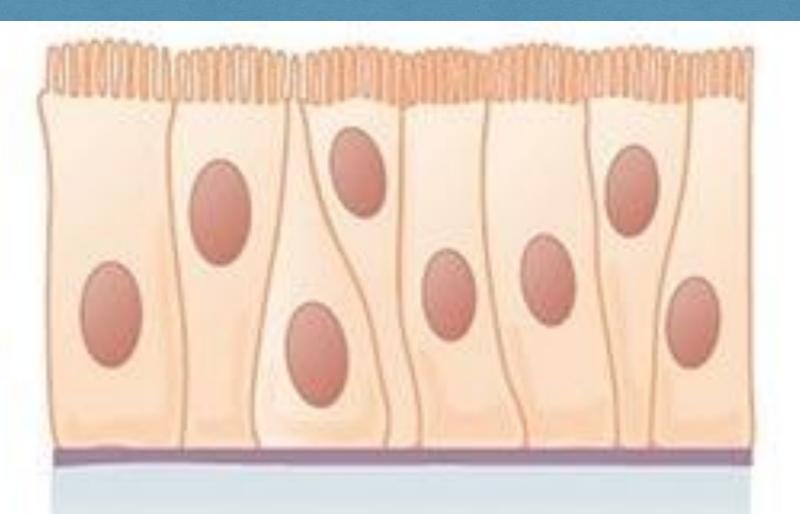
Simple columnar epithelium



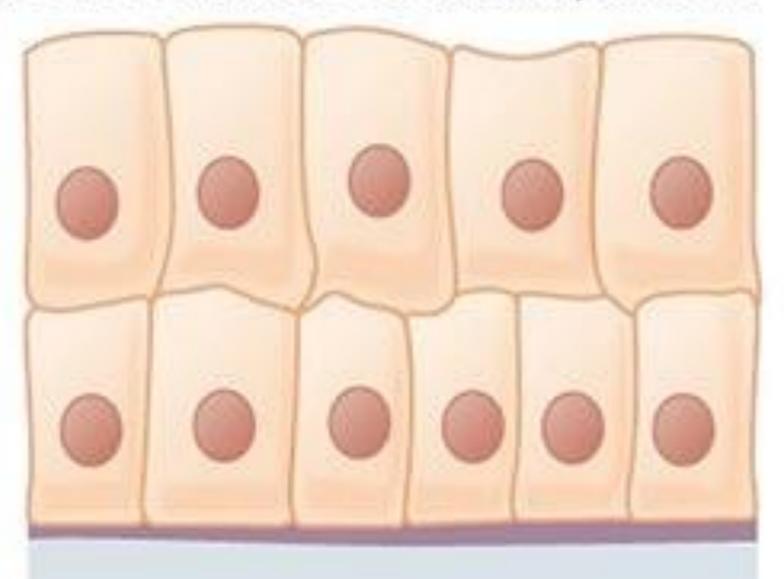
Stratified squamous epithelium



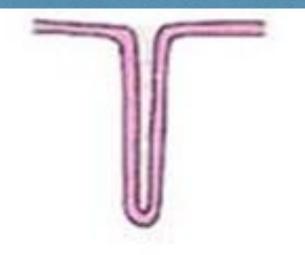
Stratified cuboidal epithelium



Pseudostratified columnar epithelium



Stratified columnar epithelium



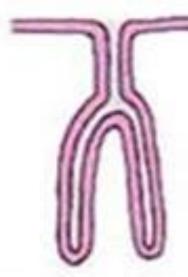
Simple tubular

Crypt of Lieberkuhn



Simple coiled tubular

Sweatglands



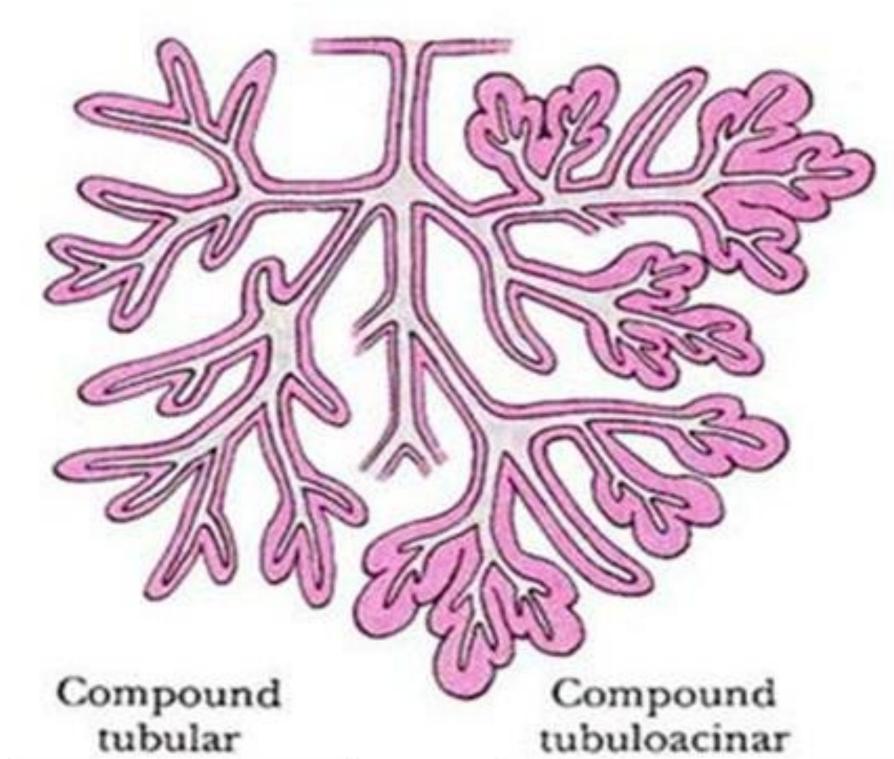
Simple branched tubular

Fundic glands of stomach



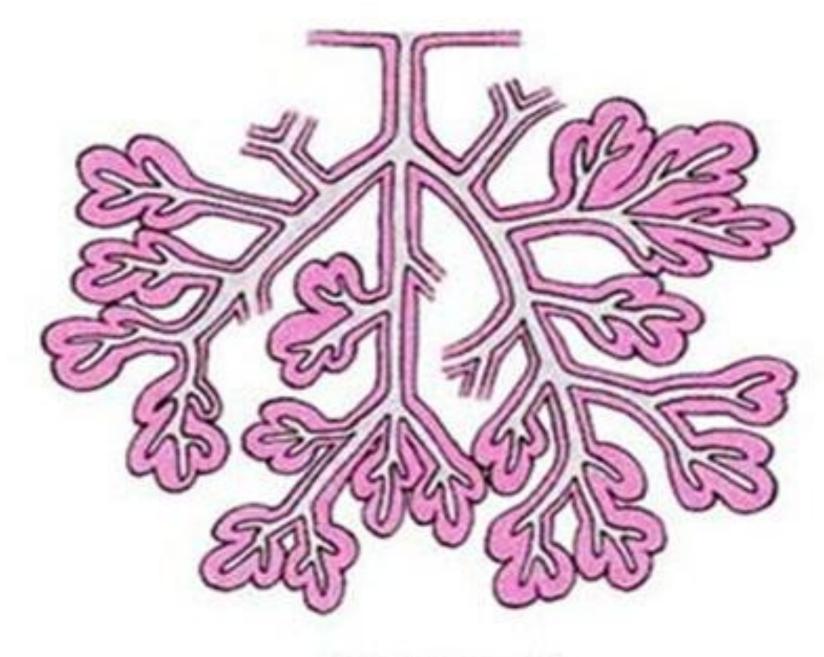
Simple branched acinar

Meibomian glands



Brunner glands

Submandibulargland

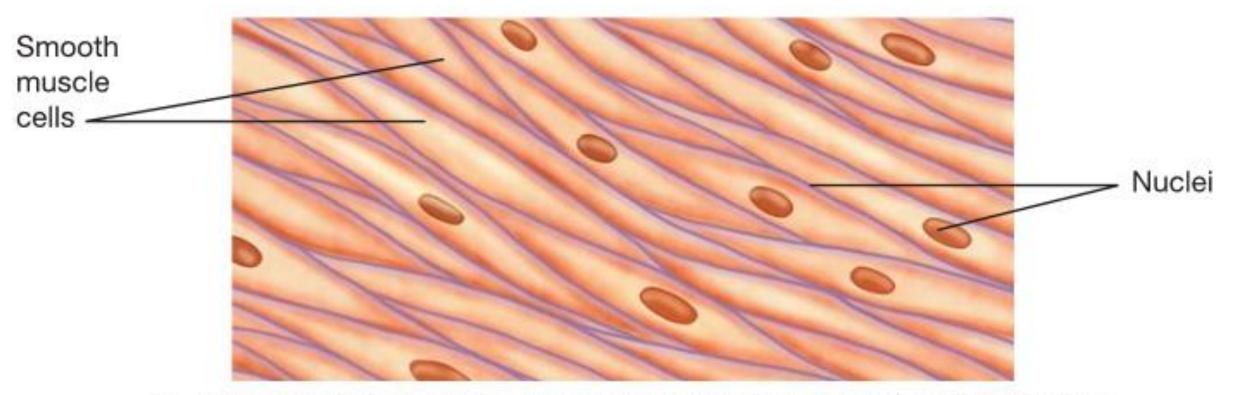


Compound acinar

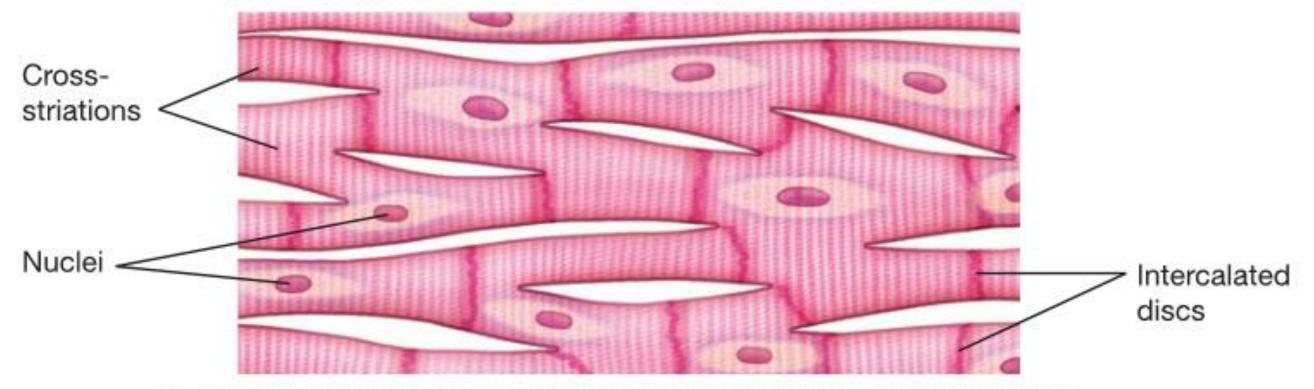
Mammary gland



A. Skeletal muscle tissue. The skeletal muscles move the body.



B. Smooth muscle tissue. The smooth muscles move food through the digestive system and perform other important involuntary functions.



C. Cardiac muscle tissue. Cardiac muscle is found only in the heart.

	Skeletal Muscle	Cardiac Muscle	Smooth Muscle
Location	Attached to bone	Heart	Walls or hollow organs, blood vessels, and glands
Appearance			
Cell Shape	Long, cylindrical	Branched	Spindle-shaped
Nucleus	Multiple, peripheral	Usually single, central	Single, central
Special Features		Intercalated disks	Cell-to-cell attachments
Striations	Yes	Yes	No
Autorhythmic	No	Yes	Yes
Control	Voluntary	Involuntary	Involuntary
Function	Move the whole body	Contract heart to propel blood through the body	Compress organs, ducts, tubes, and so on

