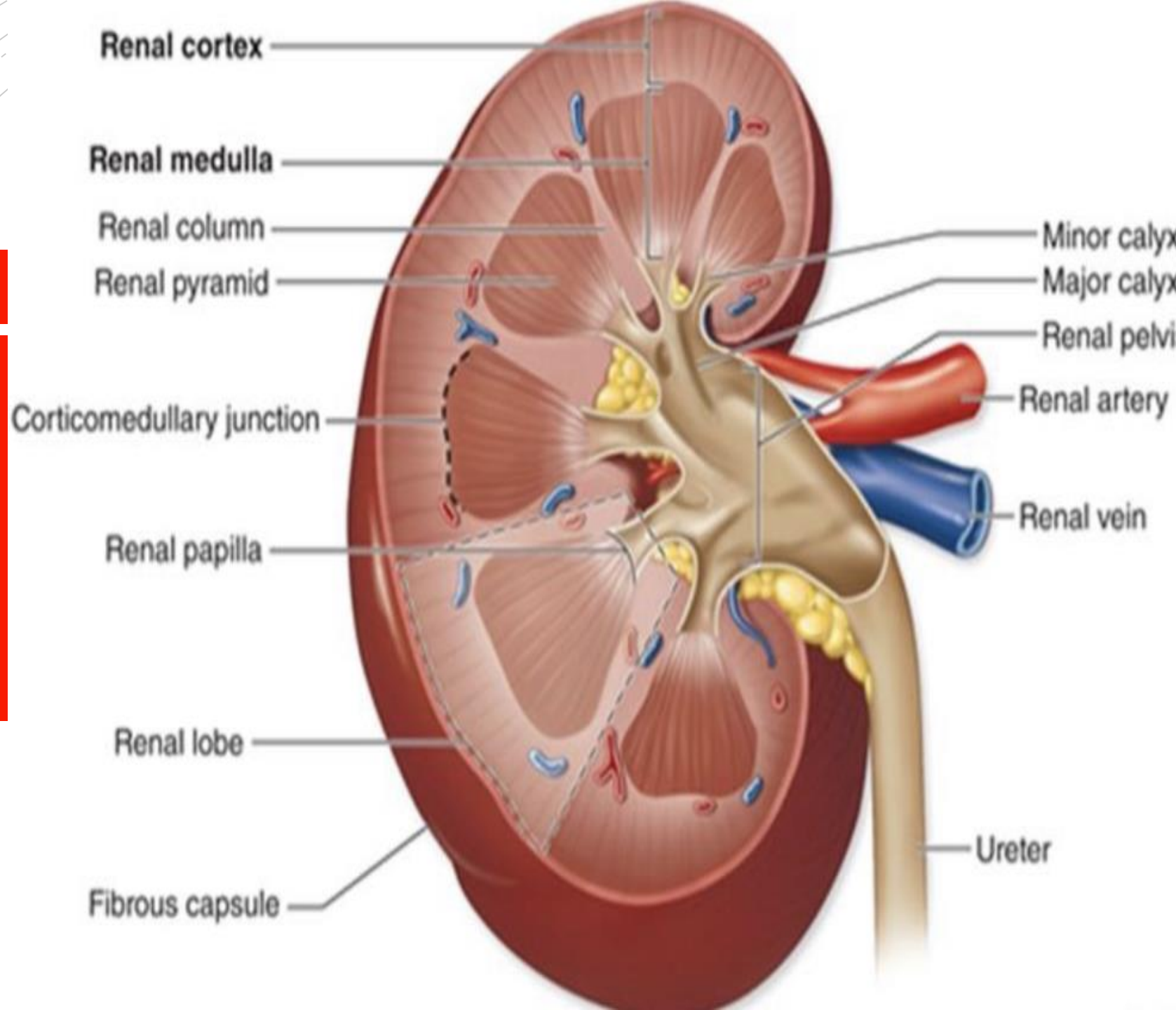


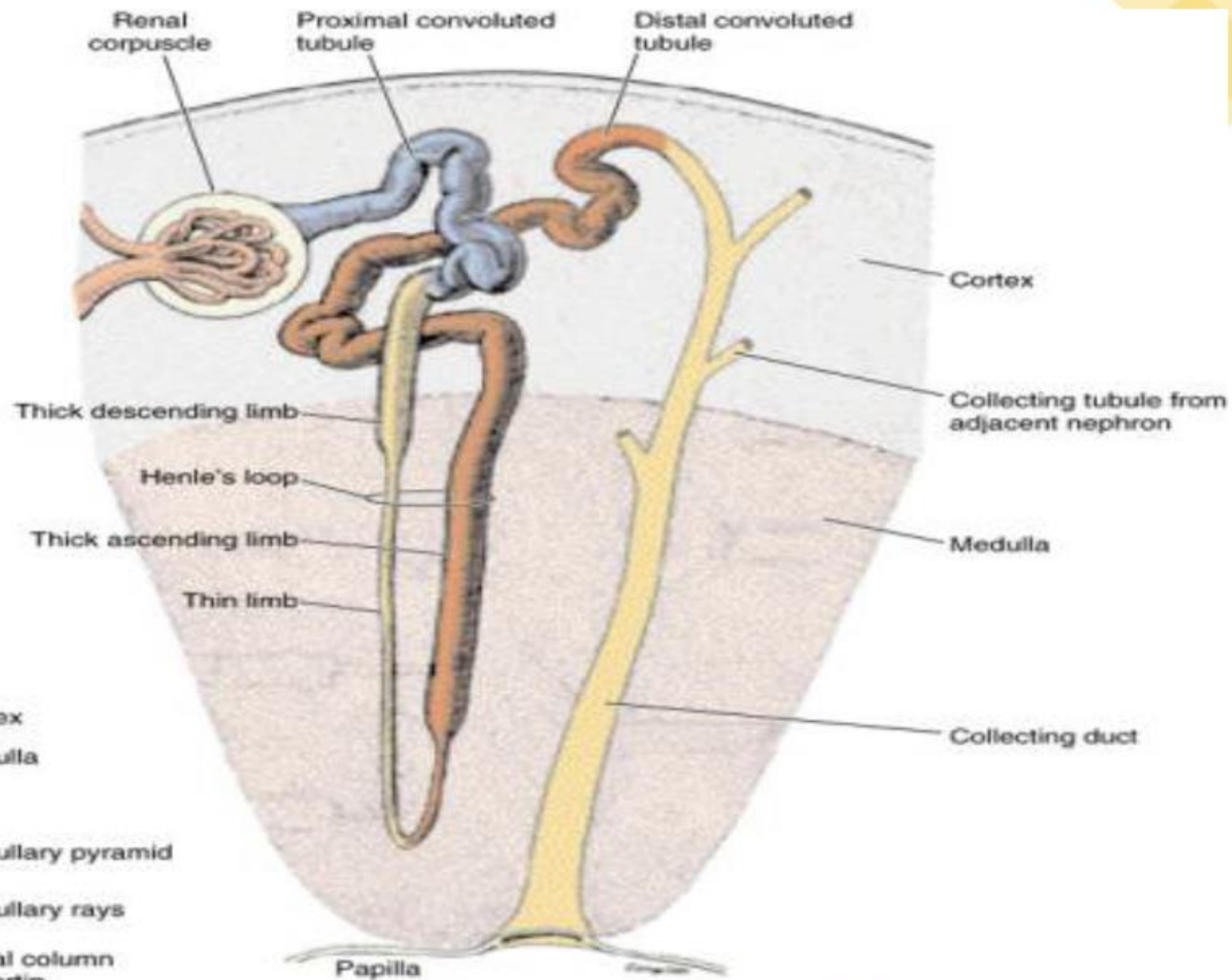
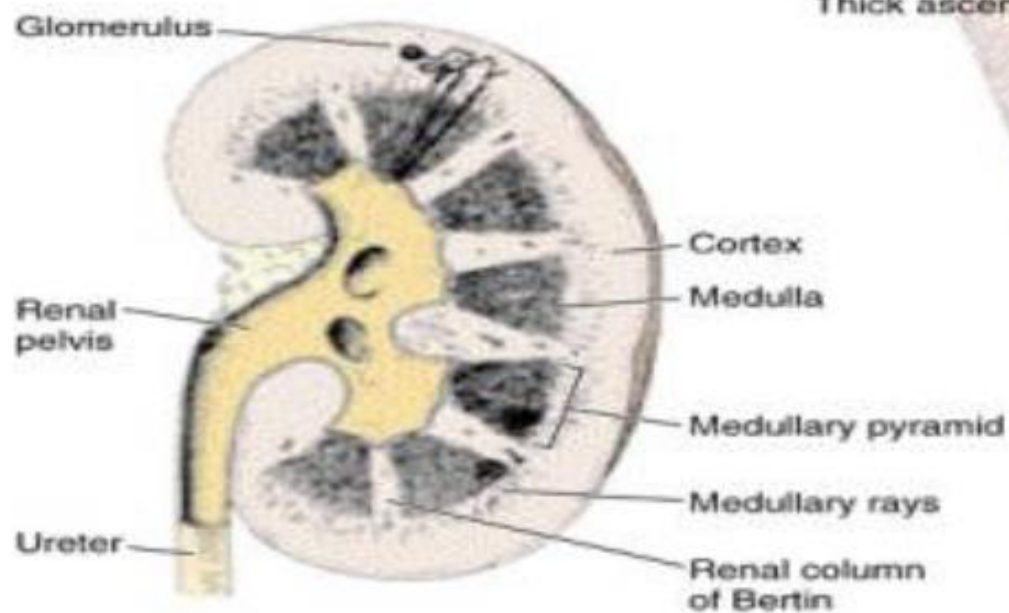
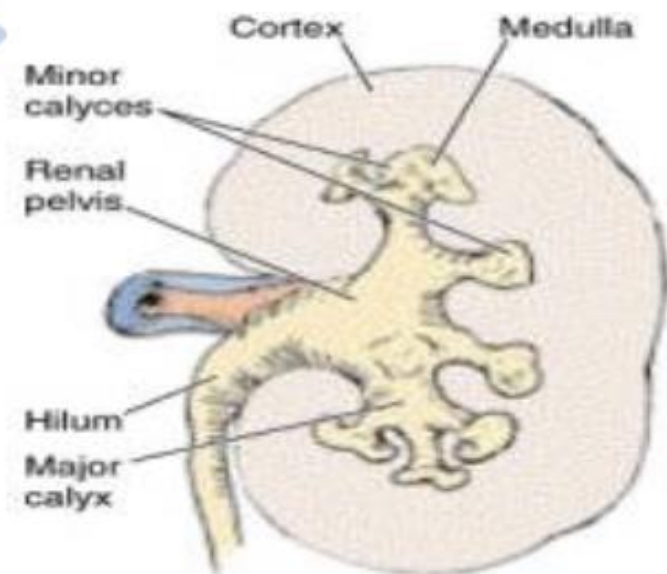
# *Renal system*

*Prof Dr. Safaa Said*

*Dr. Ahmed Alm*

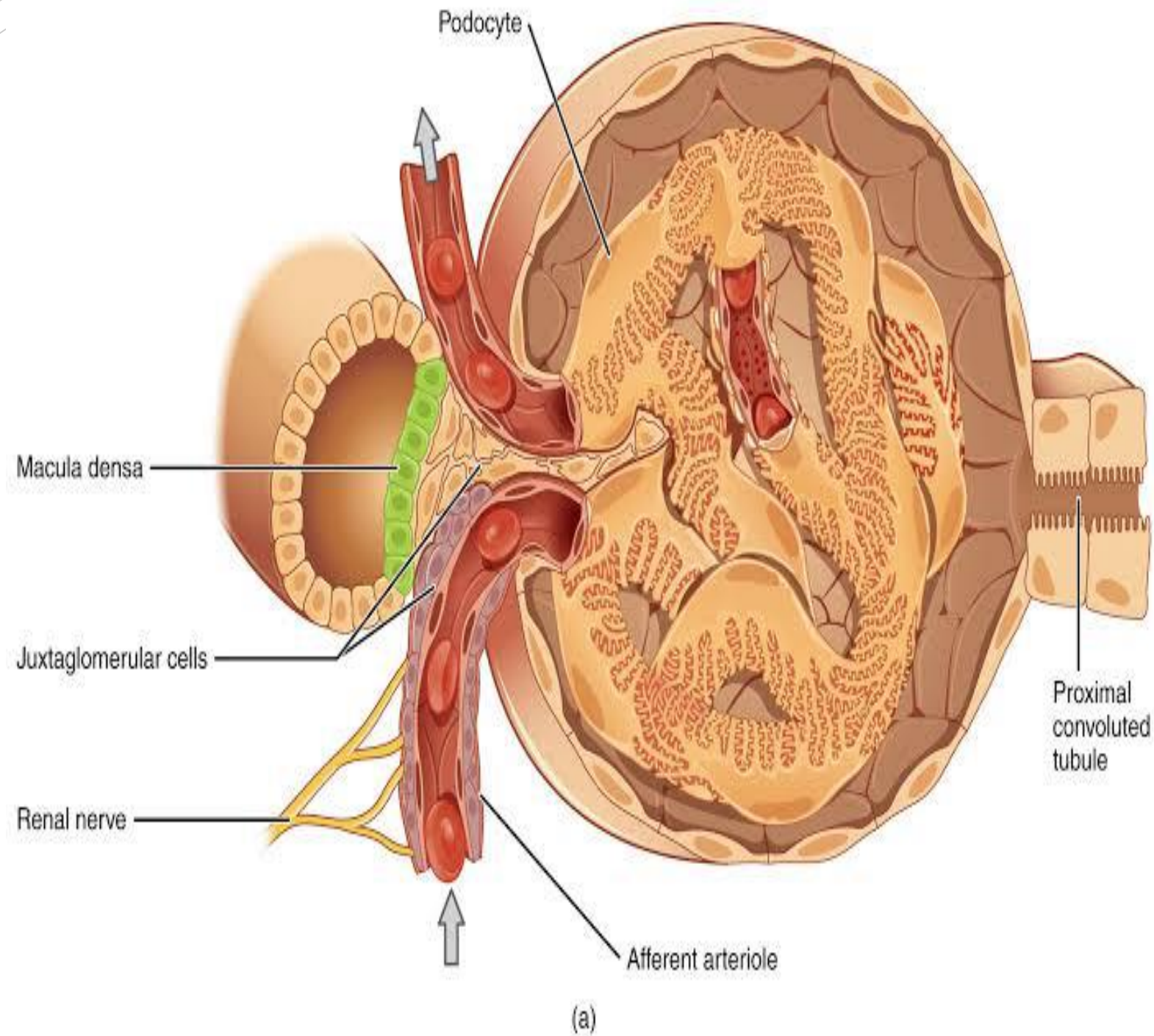
# Kidney structure



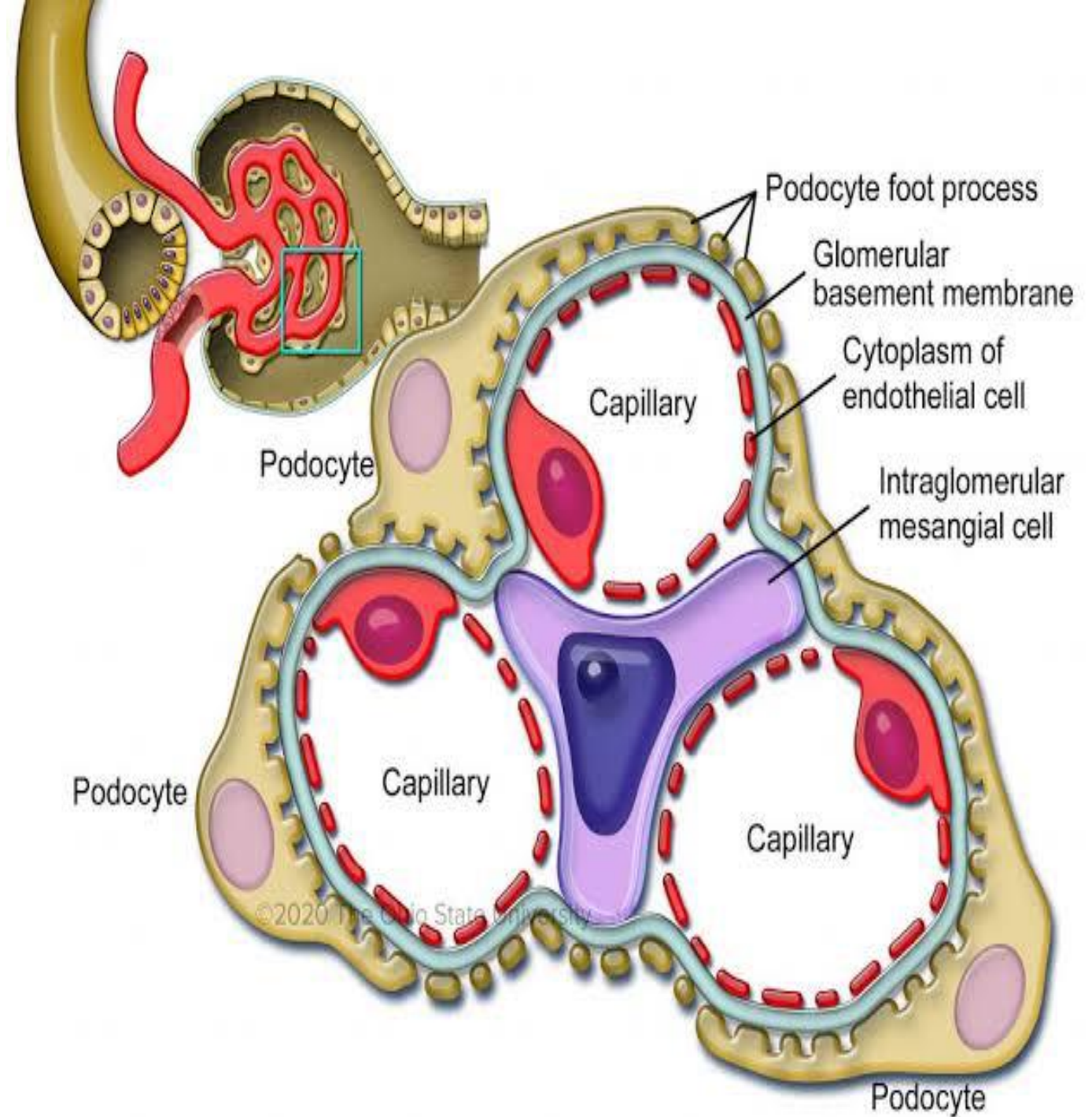




# Renal corpuscle & juxtaglomerular apparatus

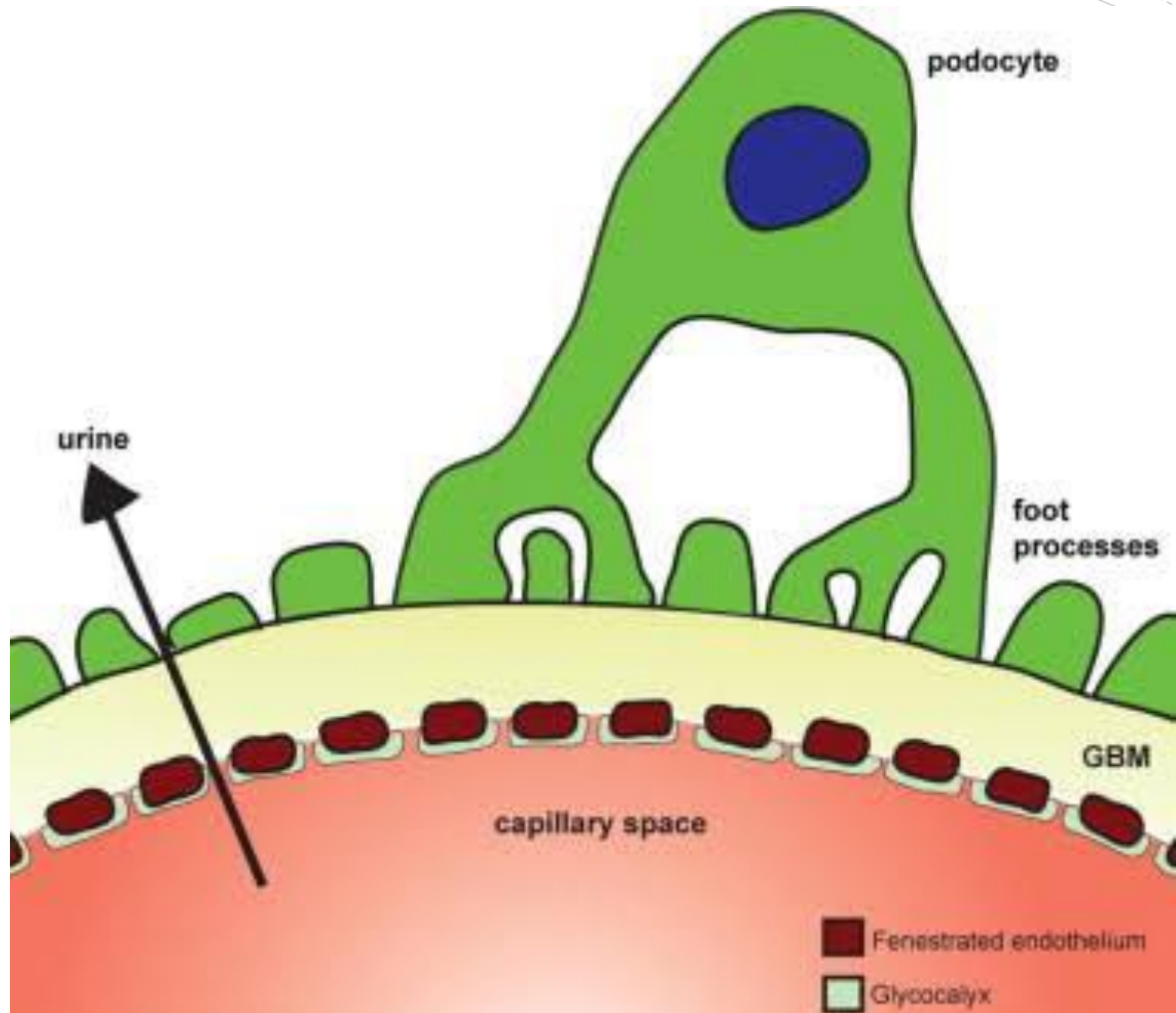


# Renal corpuscle structure

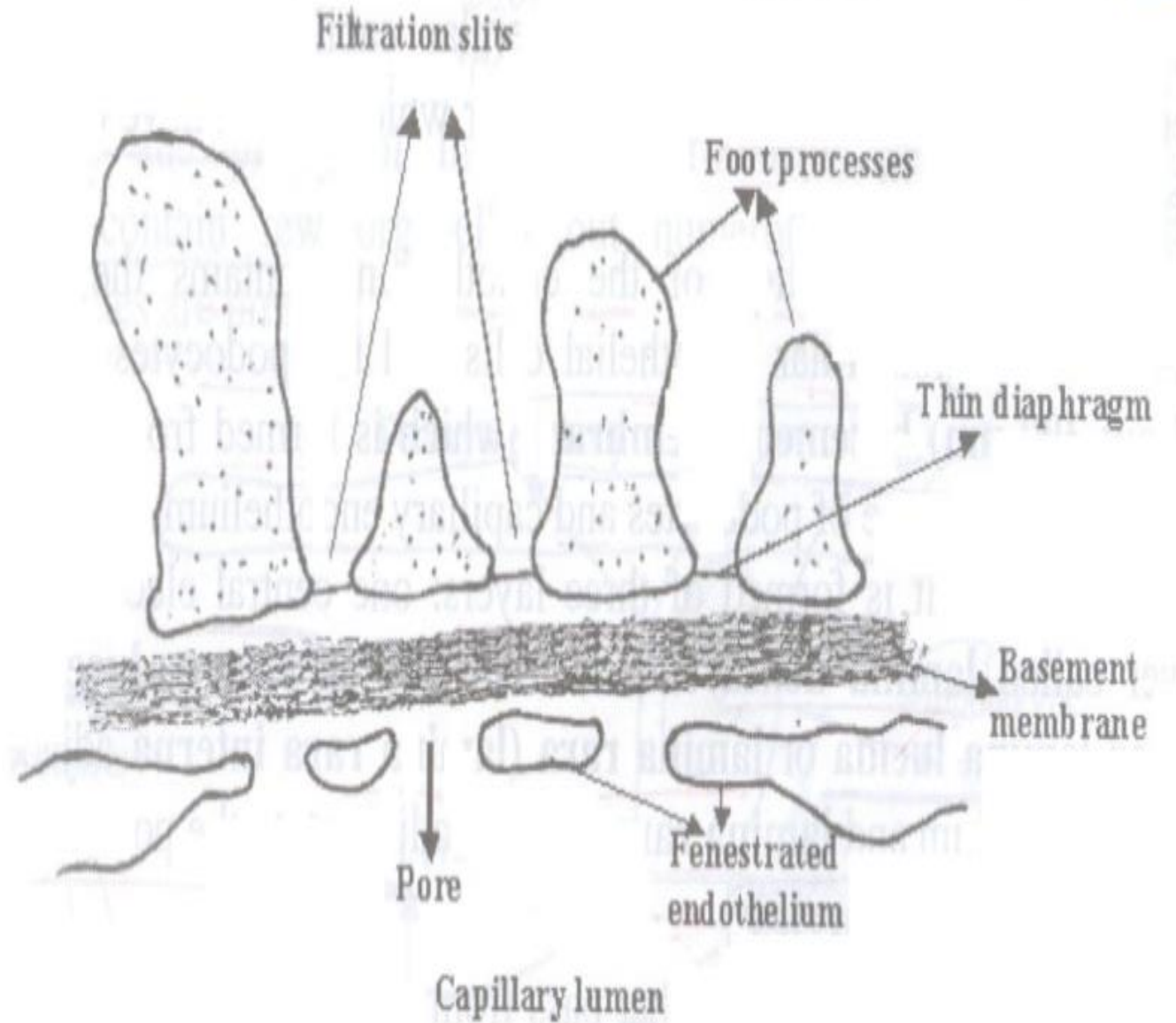




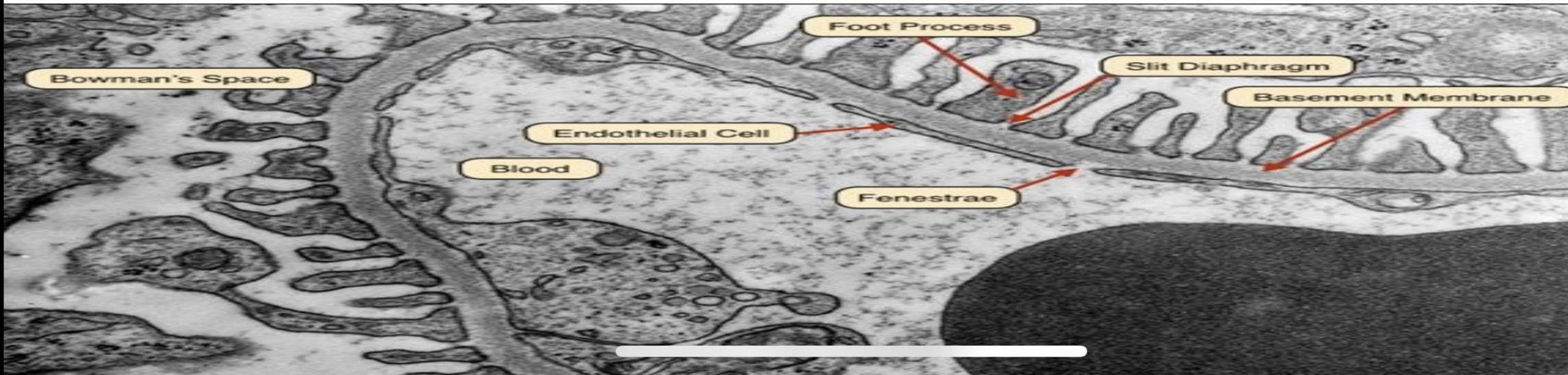
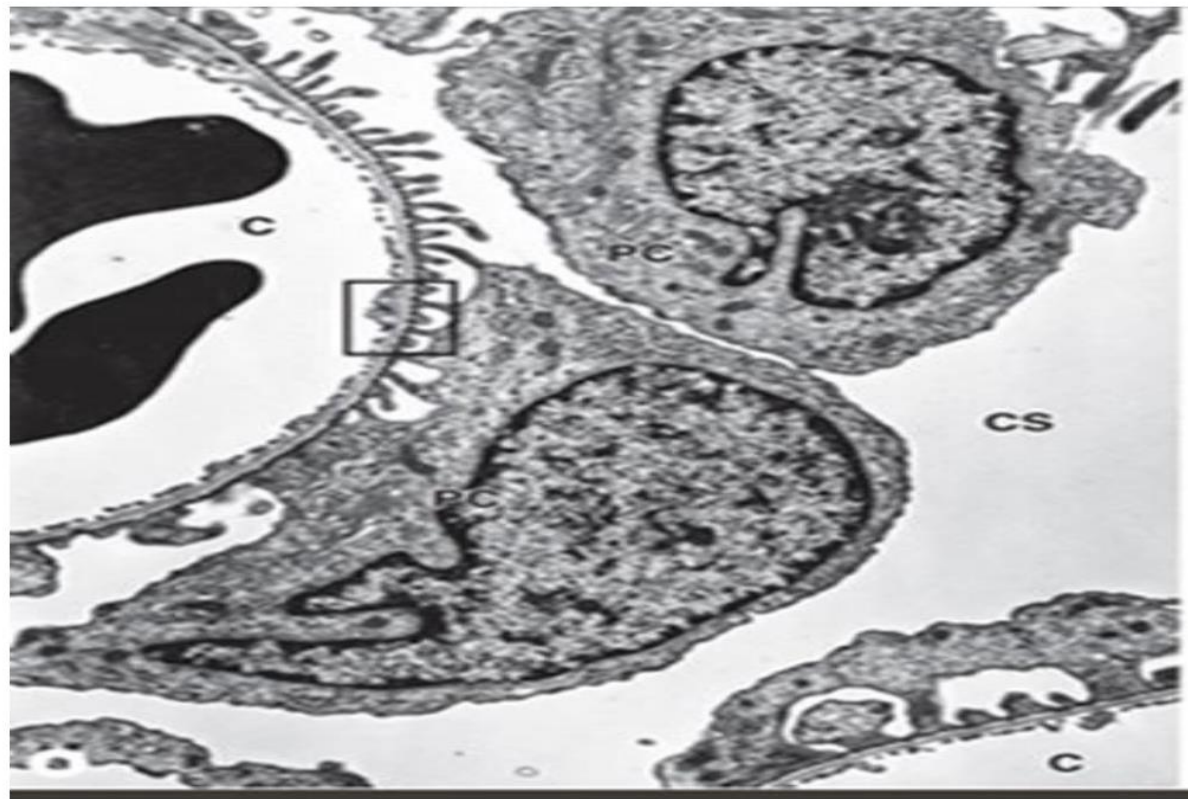
# Blood renal barrier



# Blood renal barrier

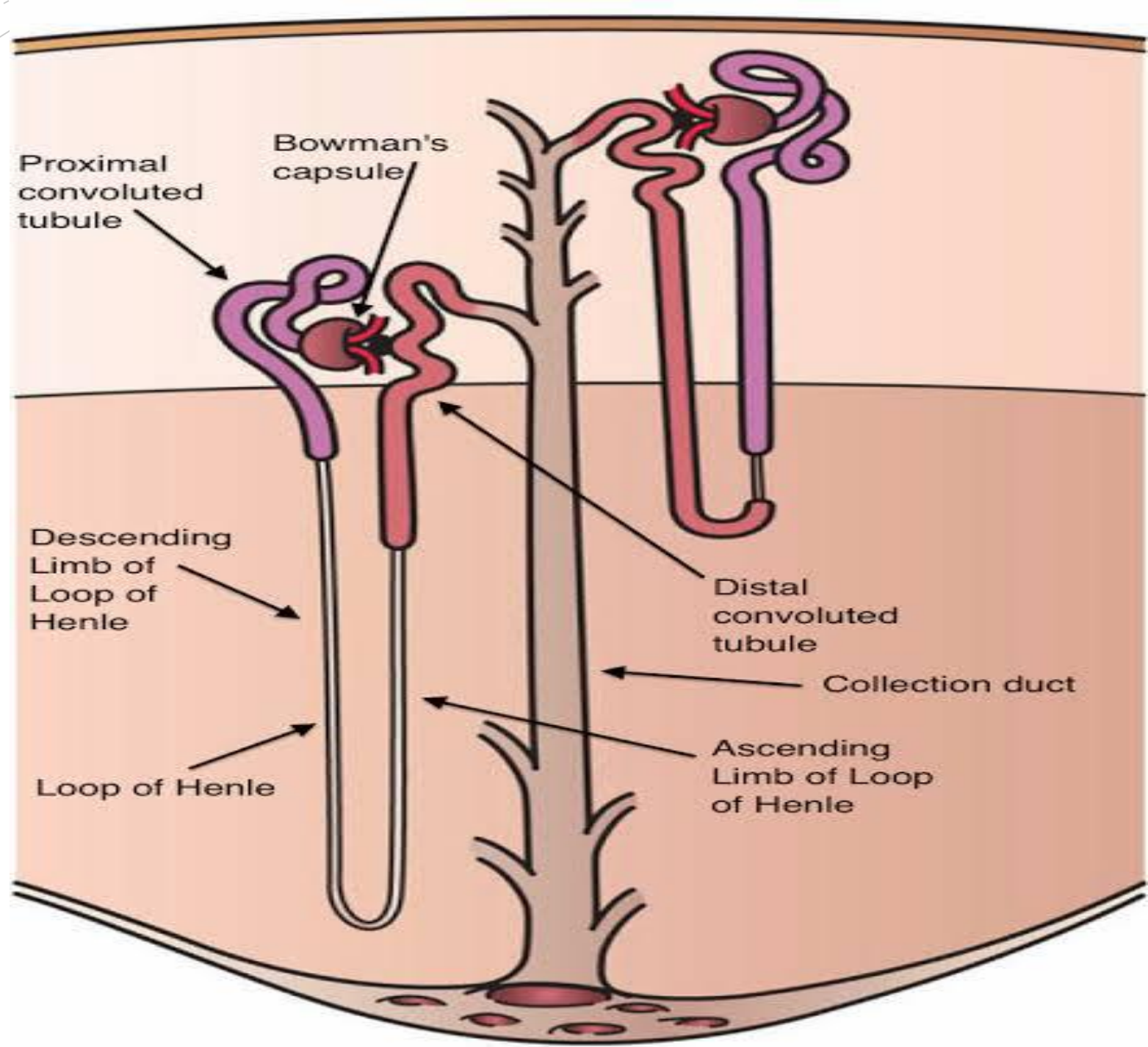


. Diagram of blood renal barrier.

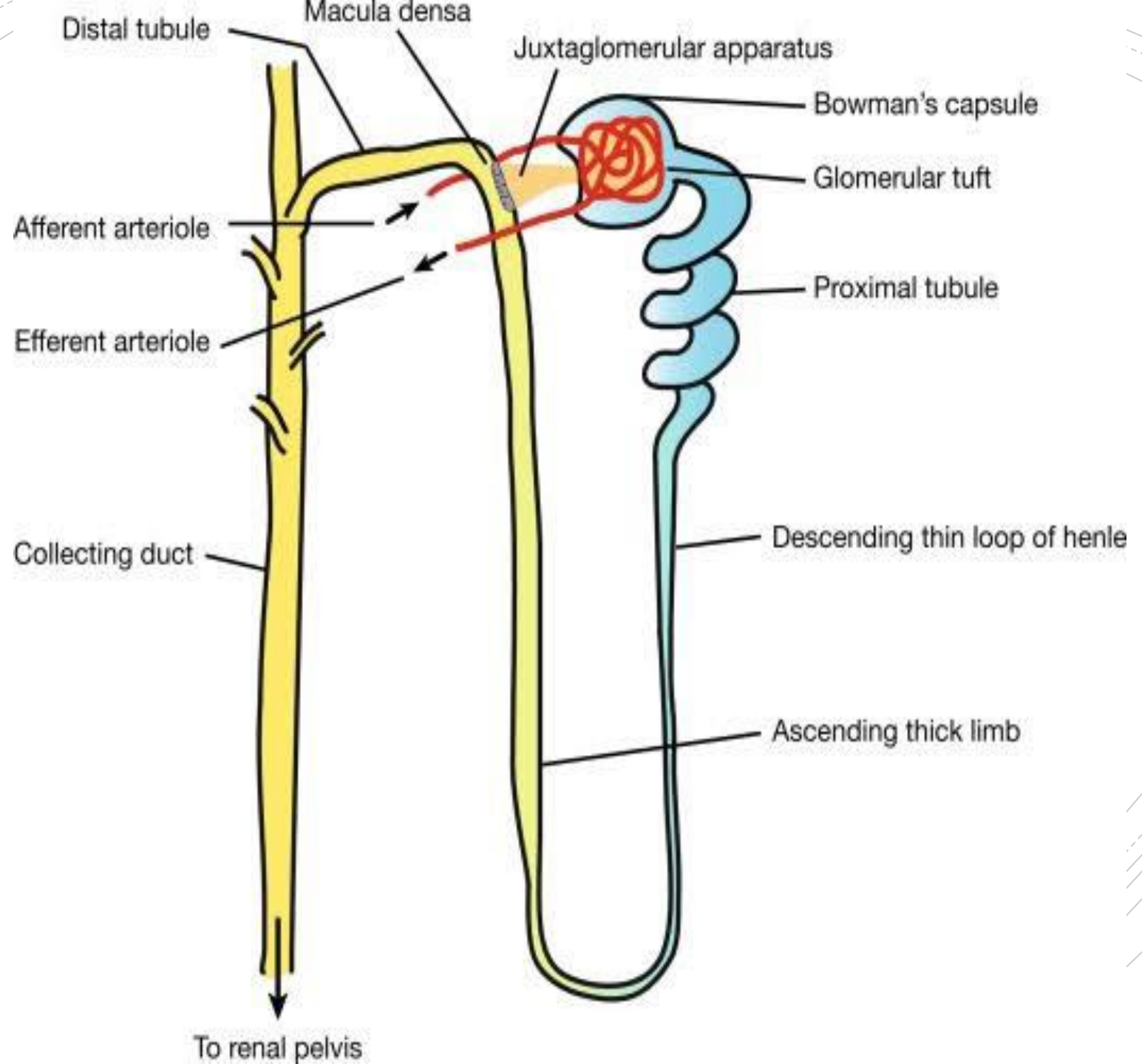




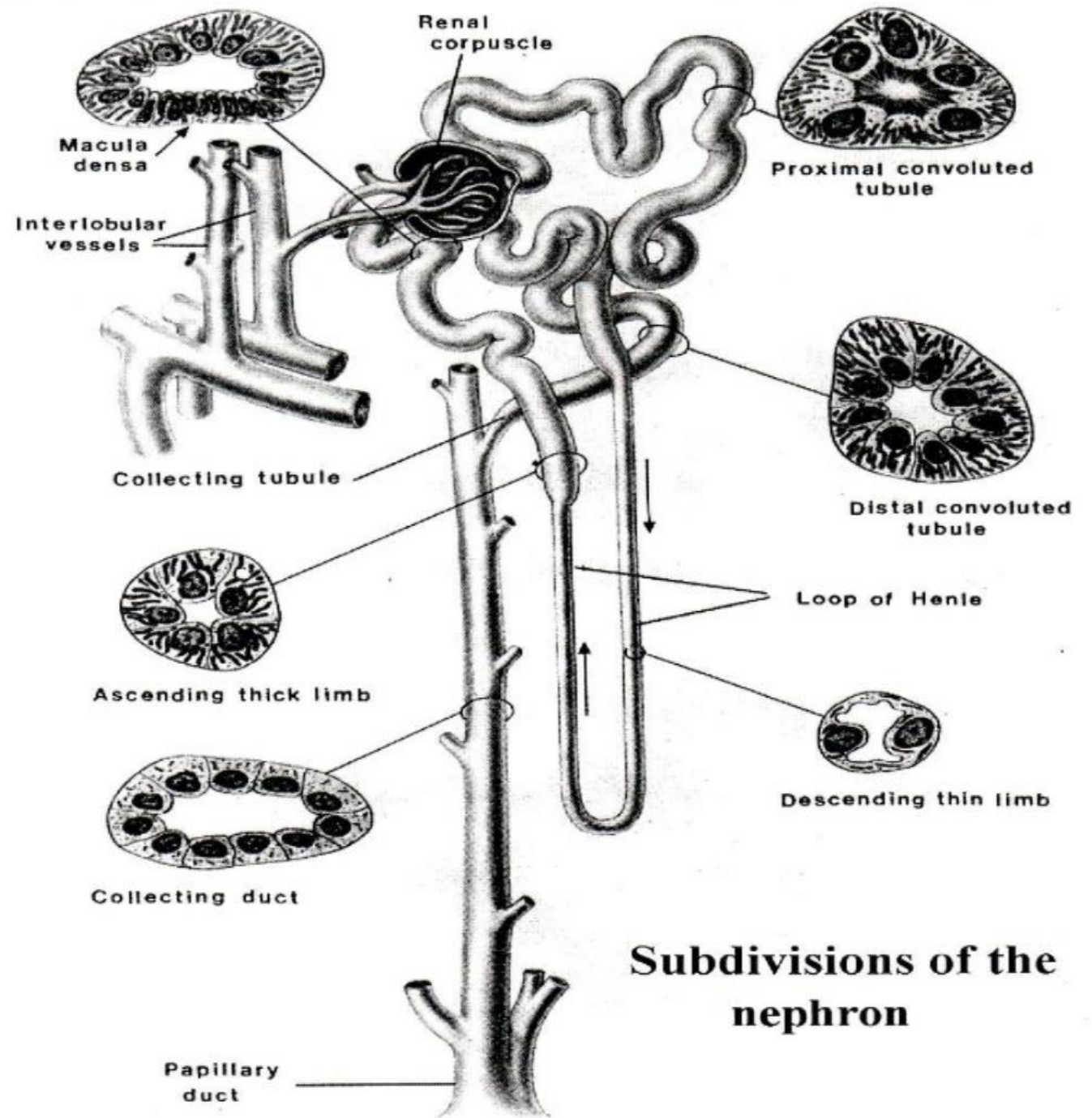
# Nephron



# Nephron

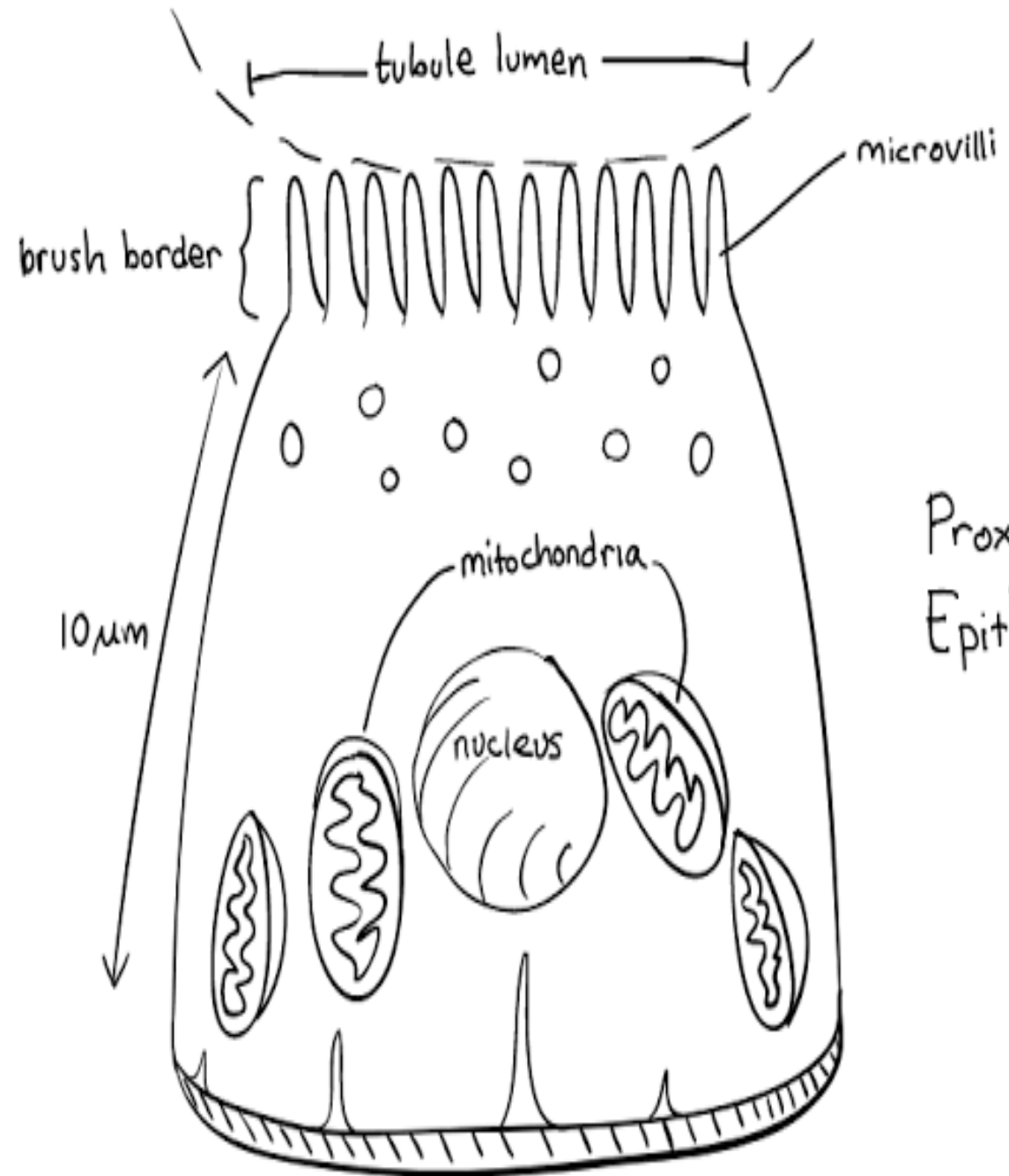


# Nephron

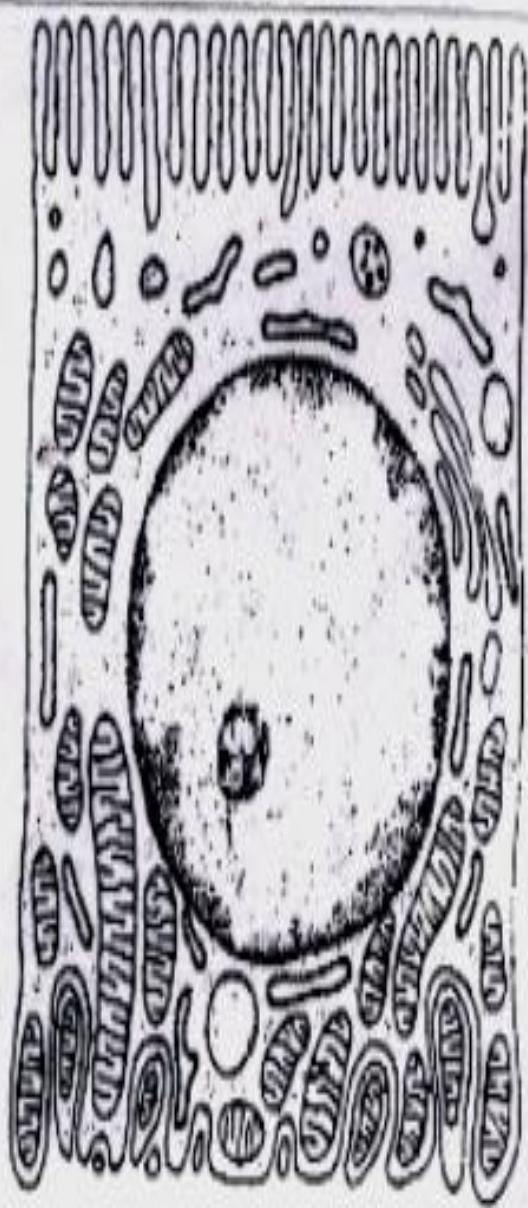




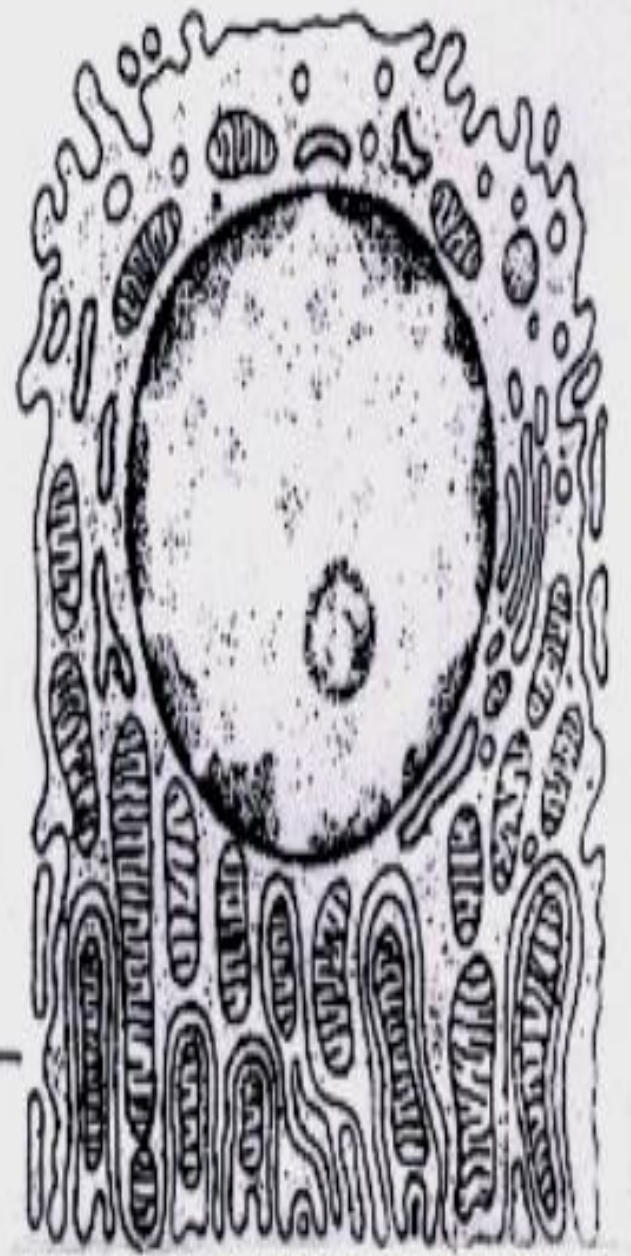
# Proximal convoluted tubule (PCT)

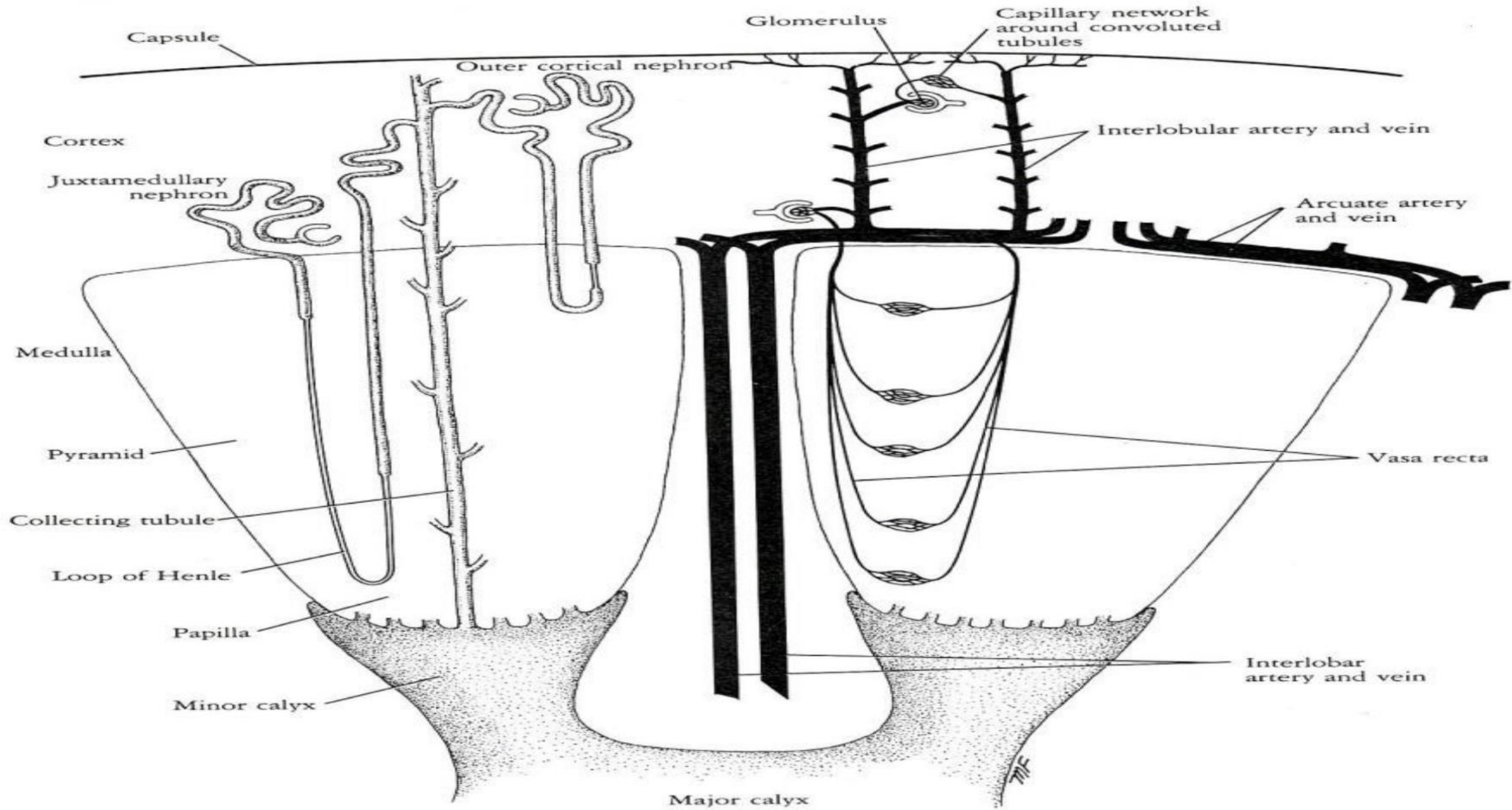


Proximal convoluted tubule and thick descending limb of Henle's loop



Distal convoluted tubule and thick ascending limb of Henle's loop

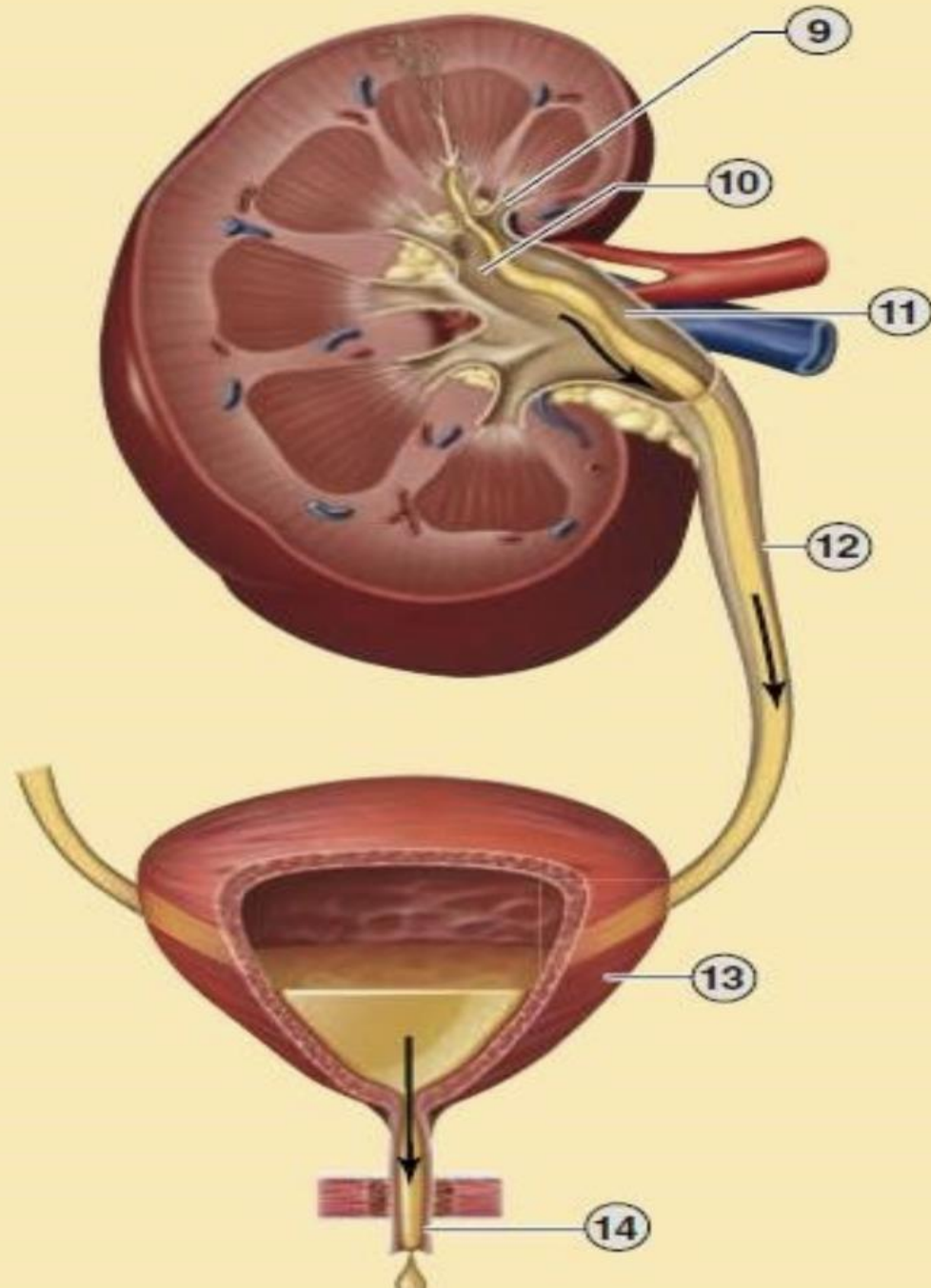




**Blood supply of the kidney**



# Renal system structure



⑨ Minor calyx

⑩ Major calyx

⑪ Renal pelvis

⑫ Ureter

⑬ Urinary bladder

⑭ Urethra

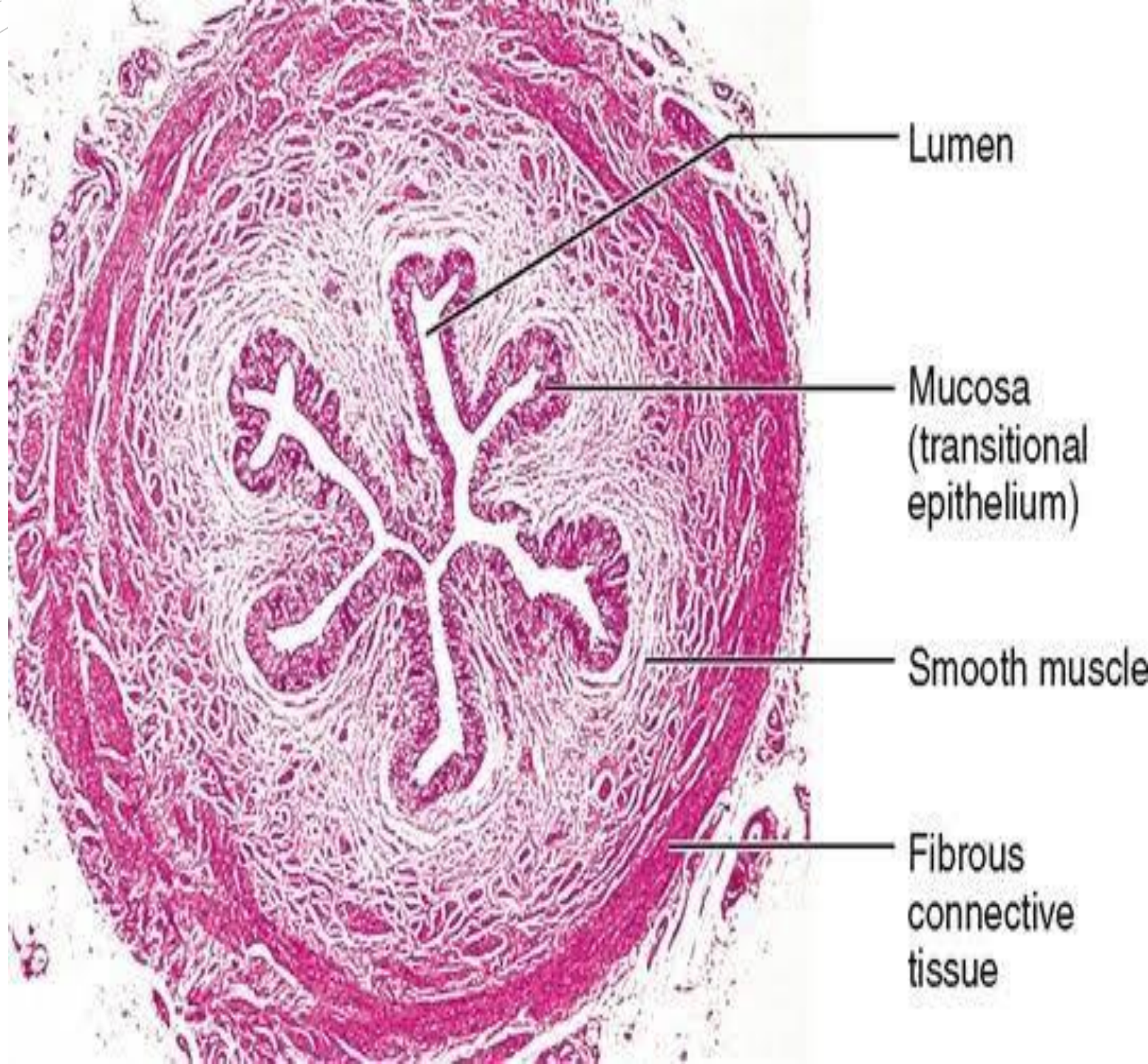


Ureter



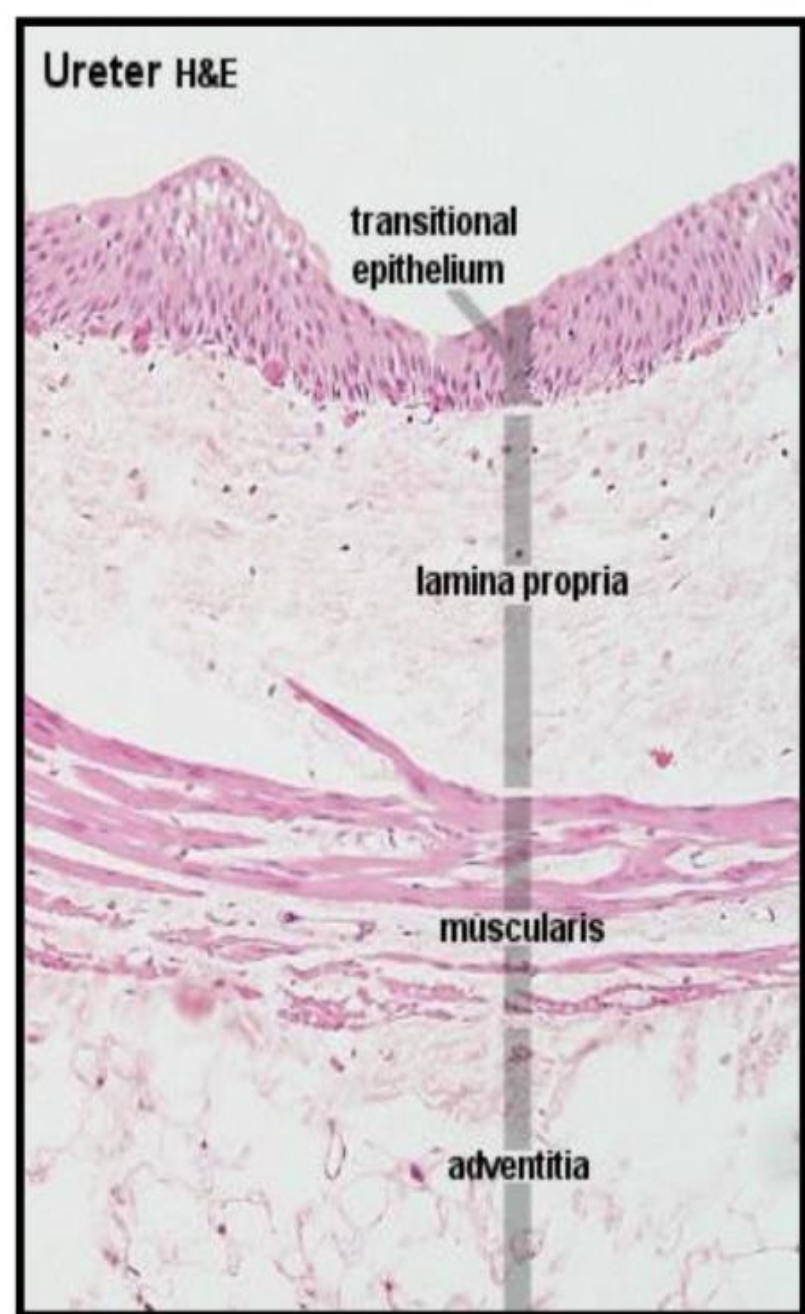
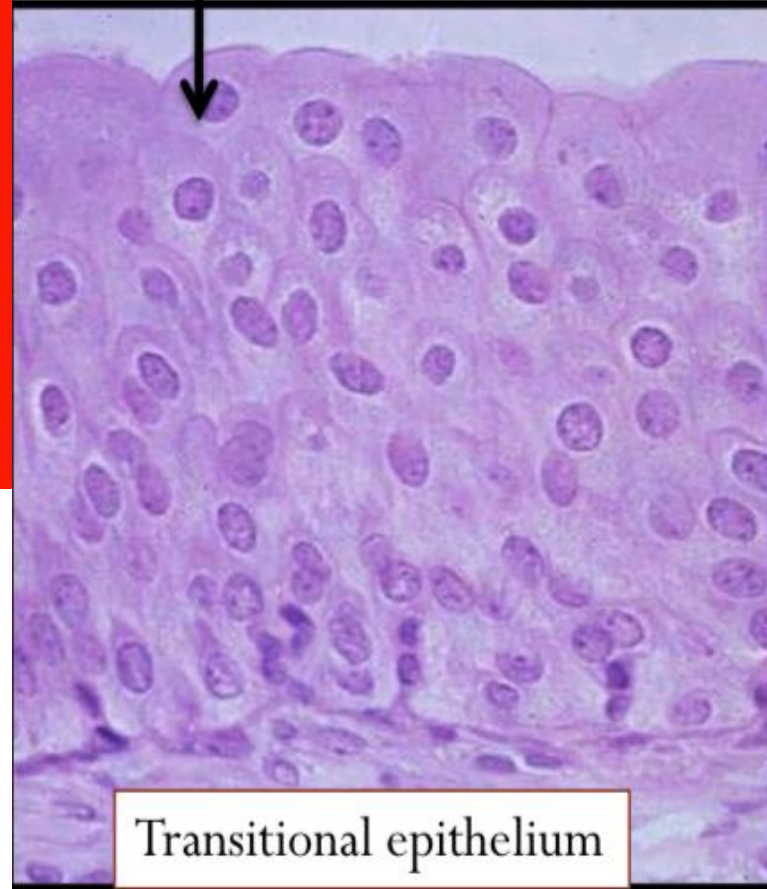
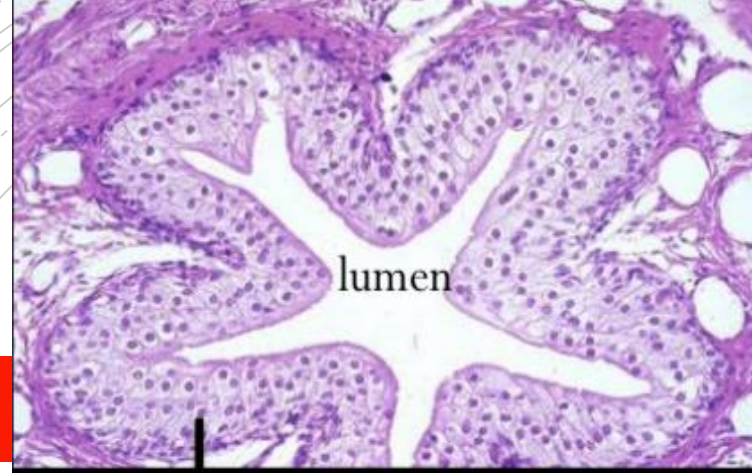


# Ureter





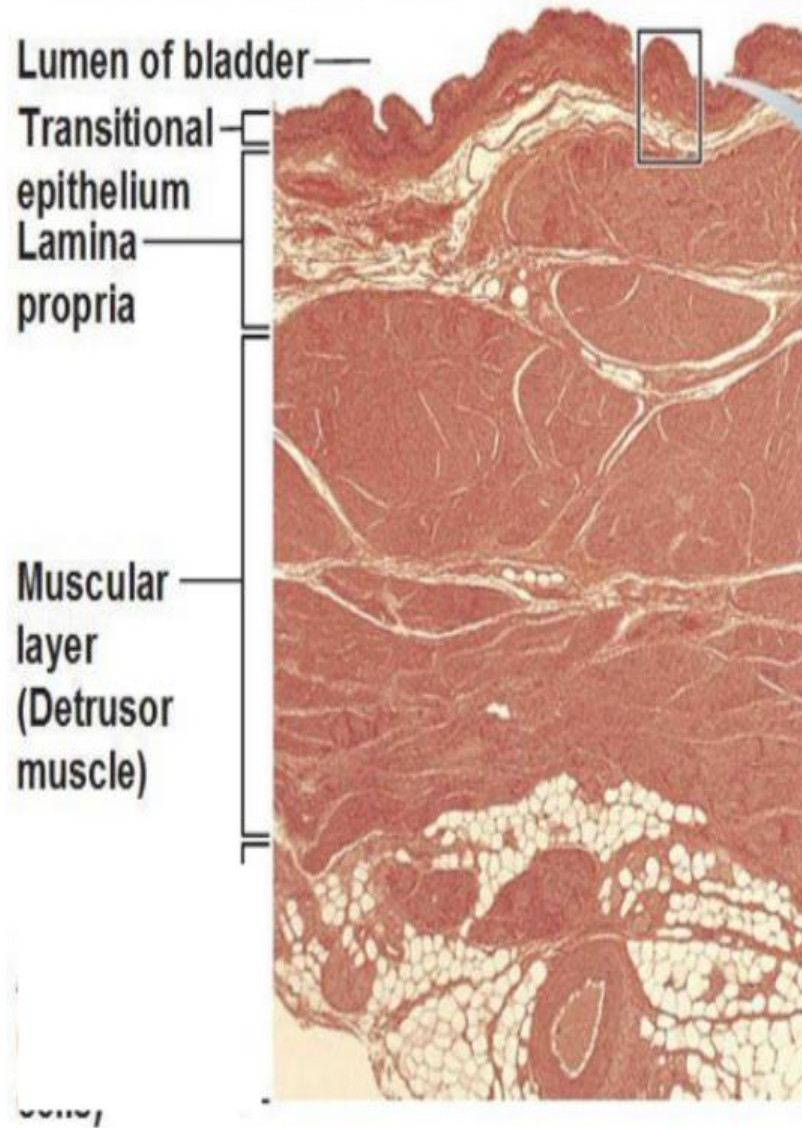
# Ureter



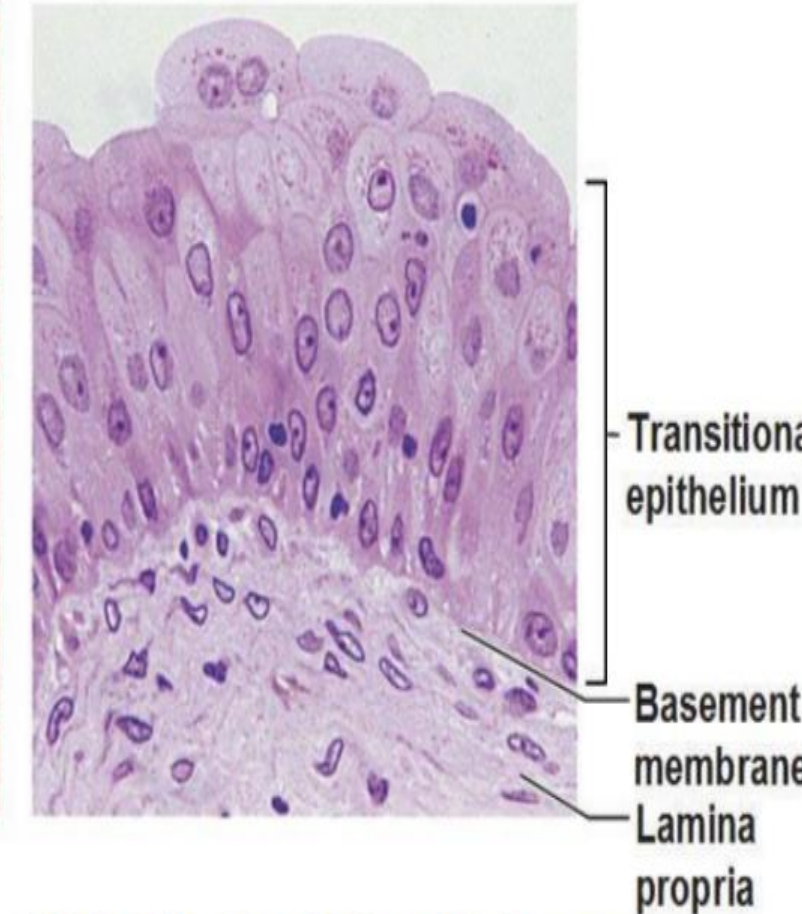


# Histology of the Urinary Bladder

Urinary bladder

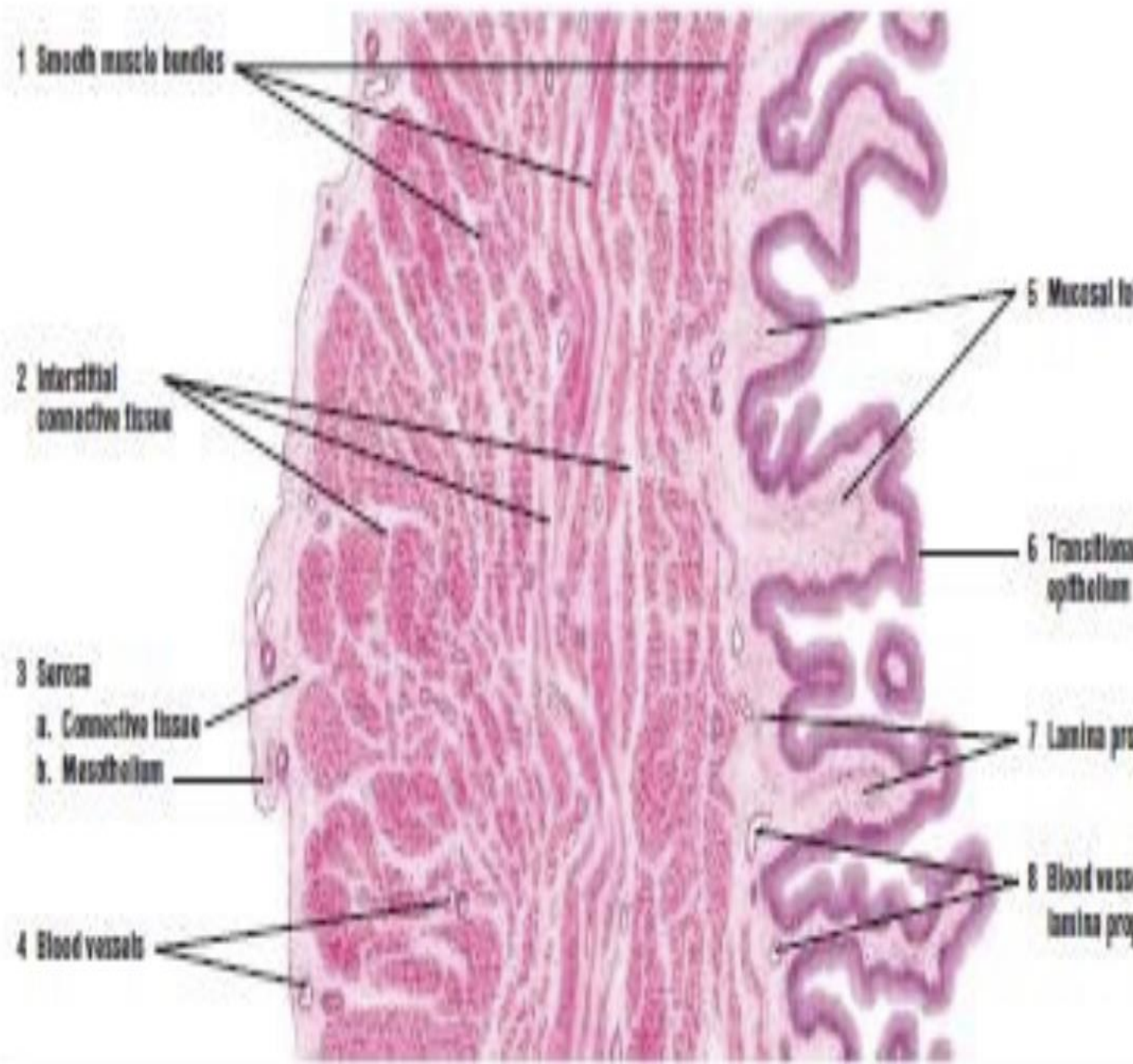


(a) Micrograph of the bladder wall (17X)



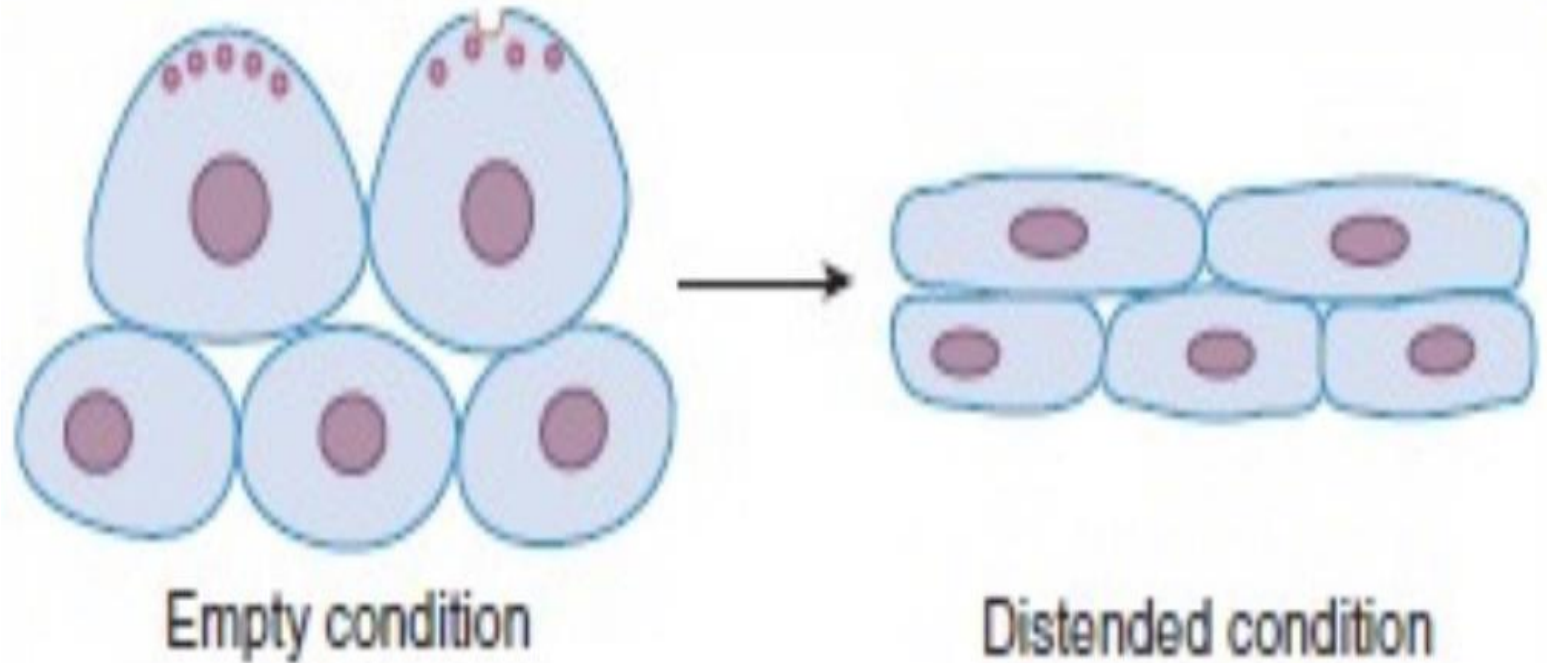
(b) Epithelium lining the lumen  
of the bladder (360X)

# Urinary bladder

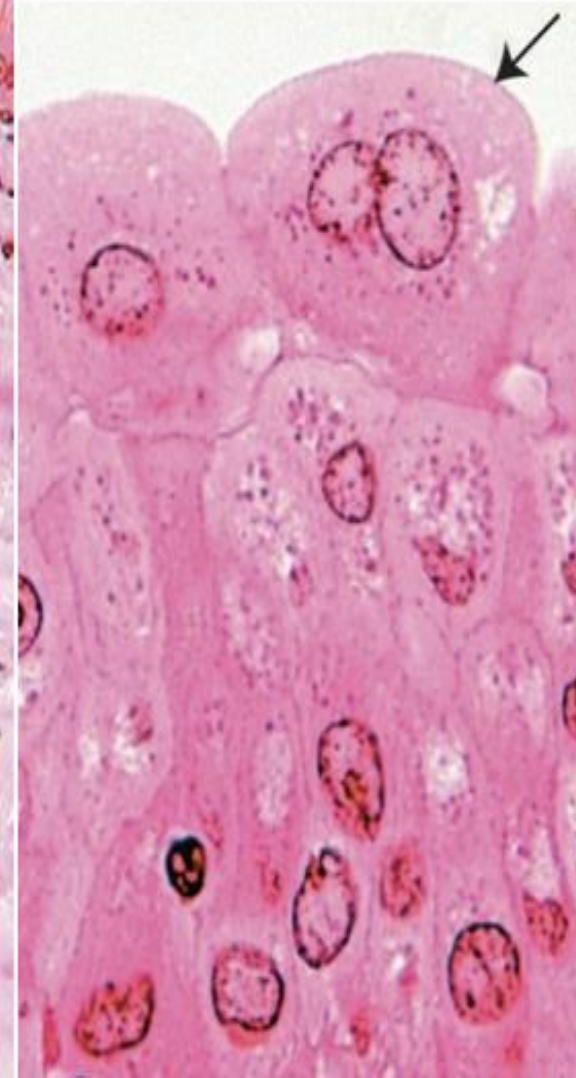
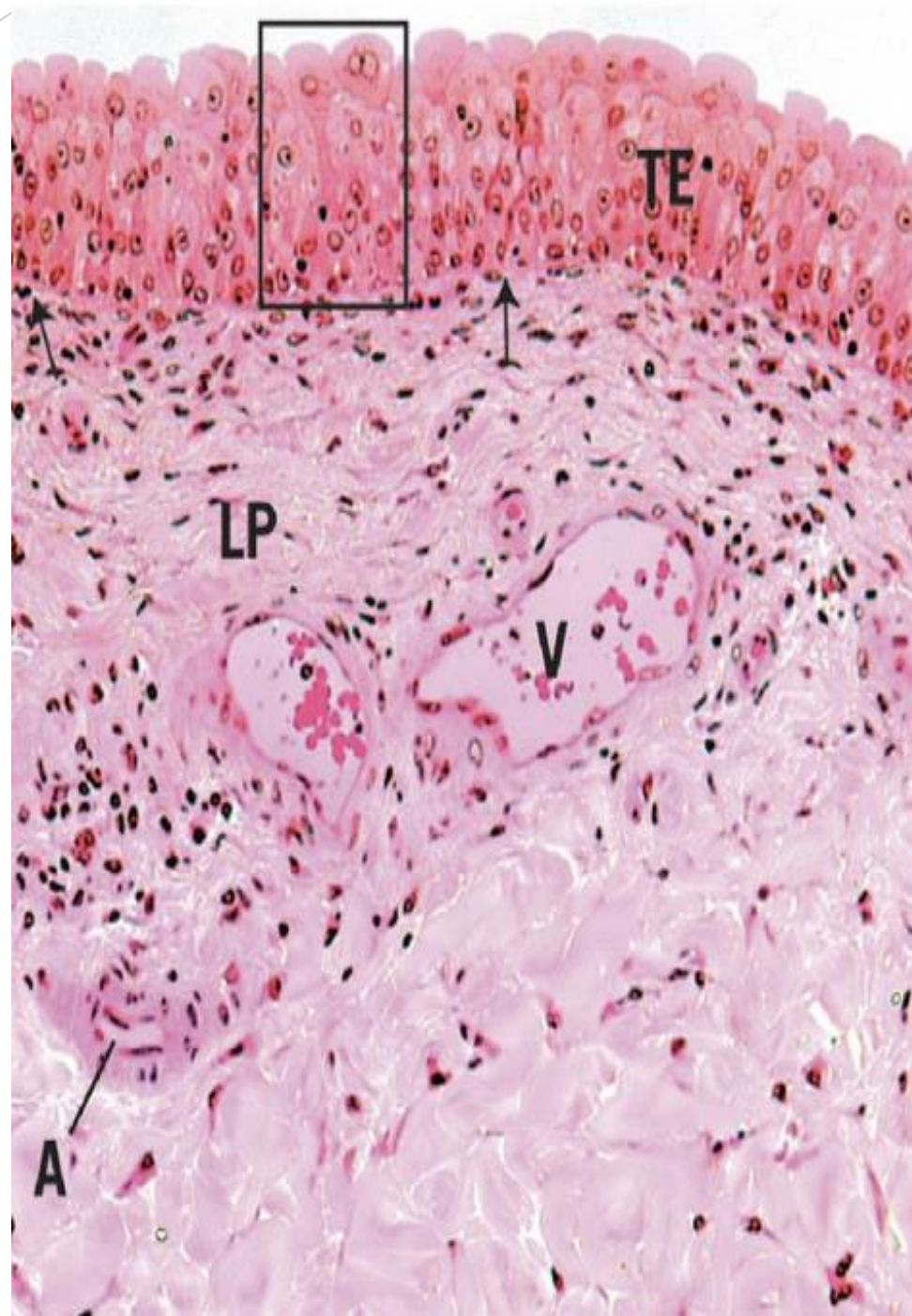




# Transitional epithelium in urinary bladder



# Mucosa in urinary bladder



Thank you

