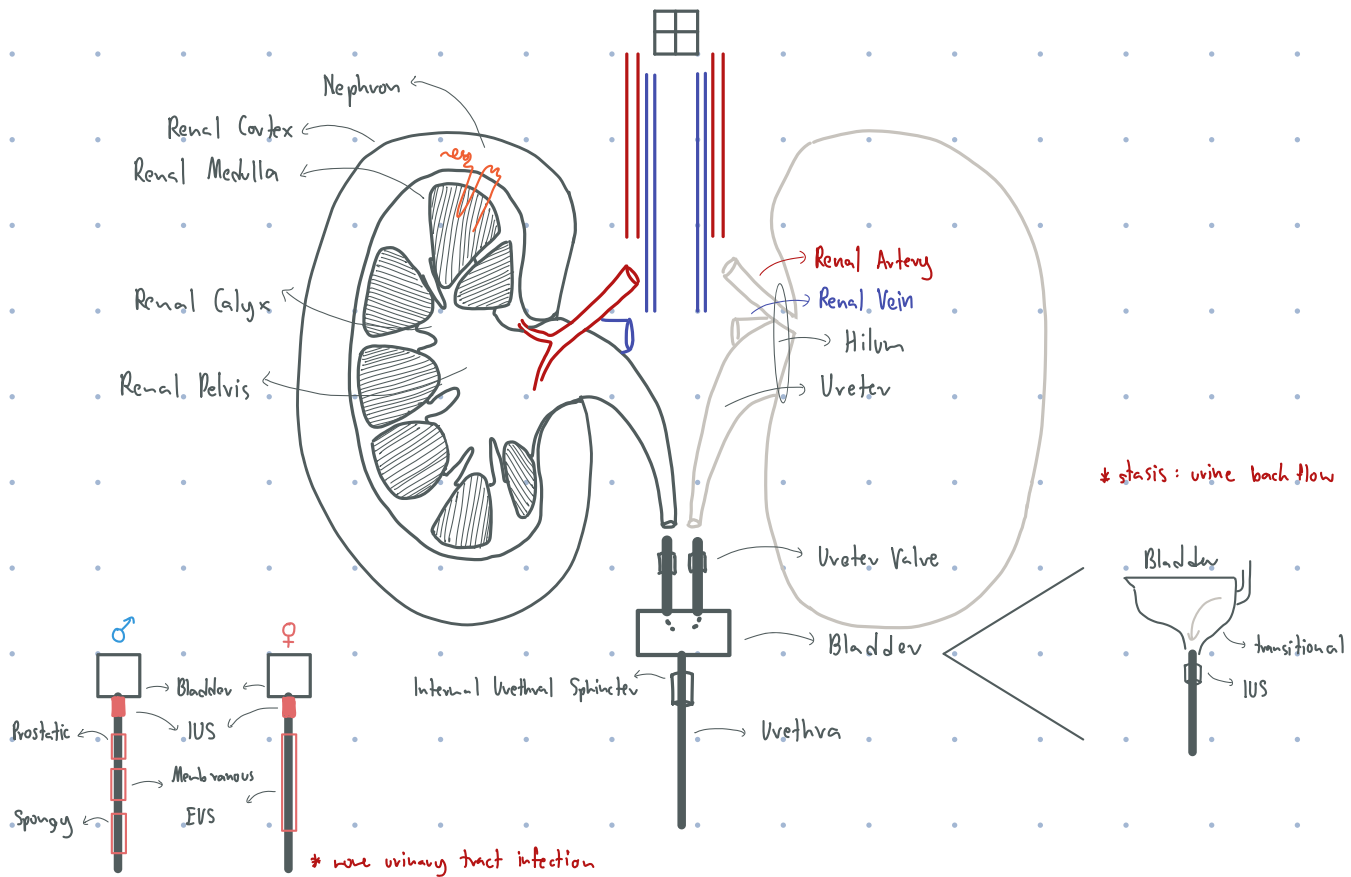
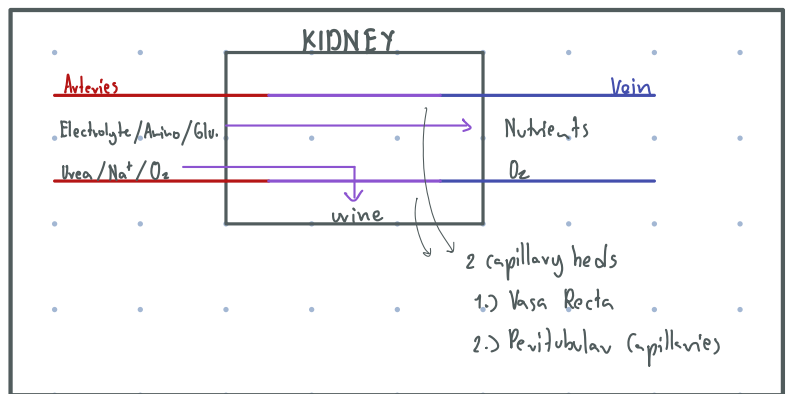


# KIDNEY ANATOMY

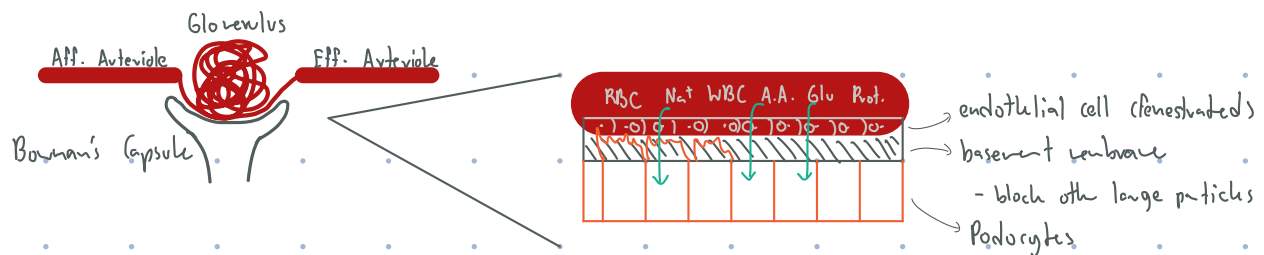


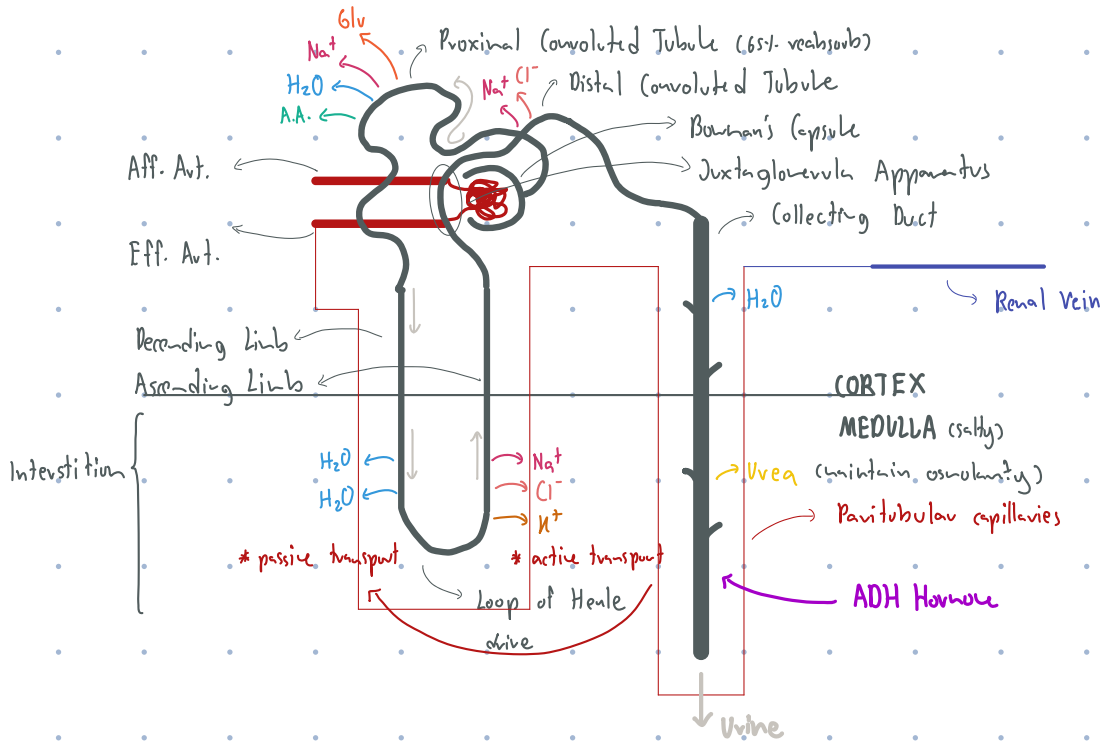
## Function

- filtration } nephron
- collection } nephron
- maintain homeostasis (pH/BP/Osmolarity/Waste)
- produce hormones



## NEPHRON (functional unit)





Aff.	Bowman	Proxi	Desc	Ascen	Distal	Collect
RBC	WBC	$\text{Na}^+$ $\text{Cl}^-$ $\text{K}^+$	$\text{Na}^+$ $\text{Cl}^-$ $\text{K}^+$	$\text{Na}^+$ $\text{Cl}^-$ $\text{K}^+$	$\text{Na}^+$ $\text{Cl}^-$ $\text{K}^+$	$\text{Na}^+$ $\text{Cl}^-$ $\text{K}^+$
Proteins	Glu A.A. H <sub>2</sub> O	H <sub>2</sub> O	H <sub>2</sub> O	H <sub>2</sub> O	H <sub>2</sub> O	Urea H <sub>2</sub> O

## TRANSPORTATION

