URINARY SYSTEM HISTOLOGY

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KIDNEY, large reddish bean-shaped organ, situated retroperitoneally

Convex border situated laterally

Hilum, facing medially-renal artery and vein, lymph vessels and ureter

Renal pelvis, region of ureter expanded in hilus, Its continuos with major renal calyses, each of which in turn has several small tributaries, the minor calyses its continuos with major renal calyses, each of which in turn has several small tributaries, the minor calvses

Renal sinus, a fat-filled extension of the hilus

Kidney Outer cortex, dark brown and

Inner medulla, 6-12 renal

granullar

pyramids

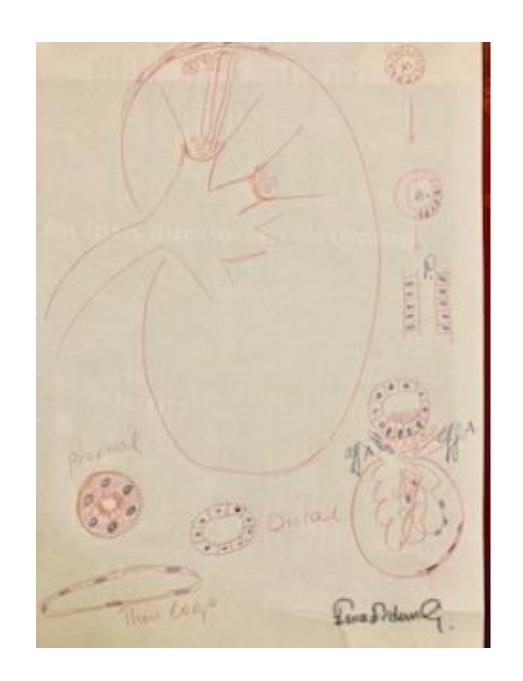
- base of the pyramids toward the cortex,
- -apex of the pyramids are calling renal papilla, points toward the hilum

NEFRON

- Renal corpuscle –glomerulus
 - -Bowman capsule
- Proximal tubule –pars convoluta
 - -pars recta
- Thin limbs of Henle Loop descending
 - -Henle loop
 - ascending
- Distal tubule pars recta
 - macula densa
 - pars convoluta

MEDULLARY RAYS

- Groups of tubules that extend from the base of each renal pyramid into the cortex
- These tubules:
- -straight (recta) tubules of the proximal and distal tubules
- -collecting ducts



FILTIRATION IN THE RENAL CORPUSCLE

FILTIRATION BARRIER