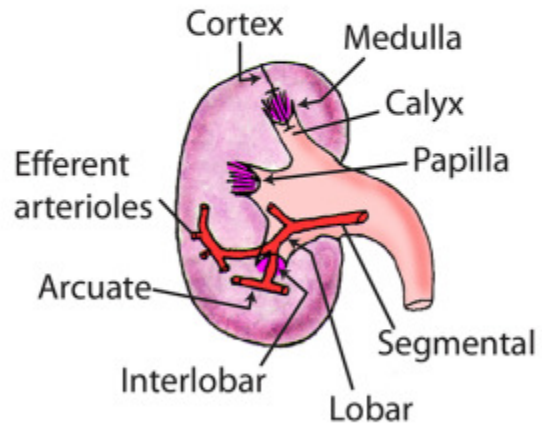
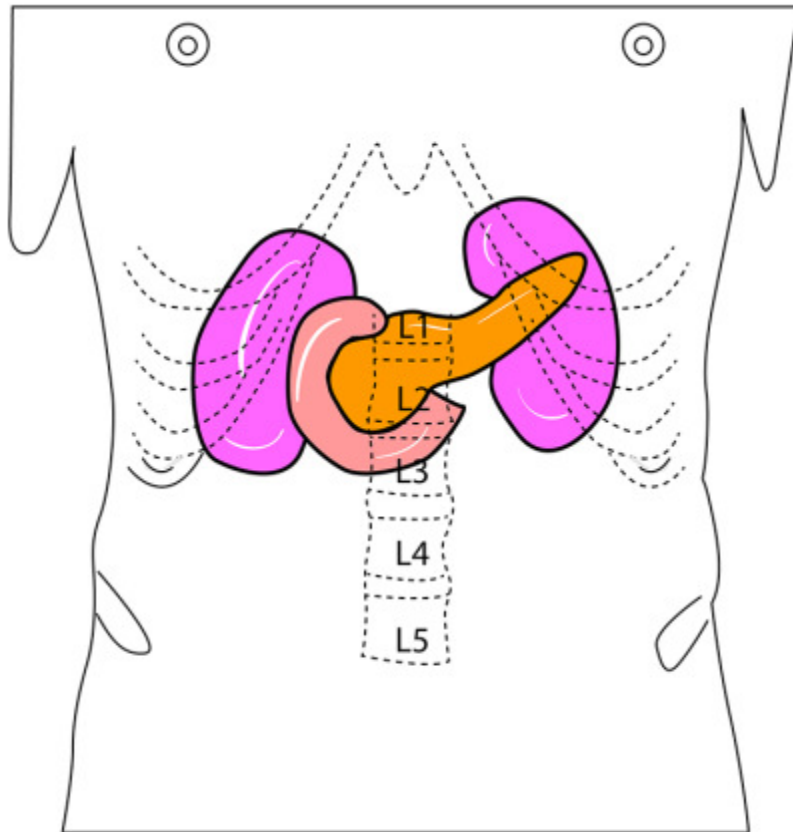


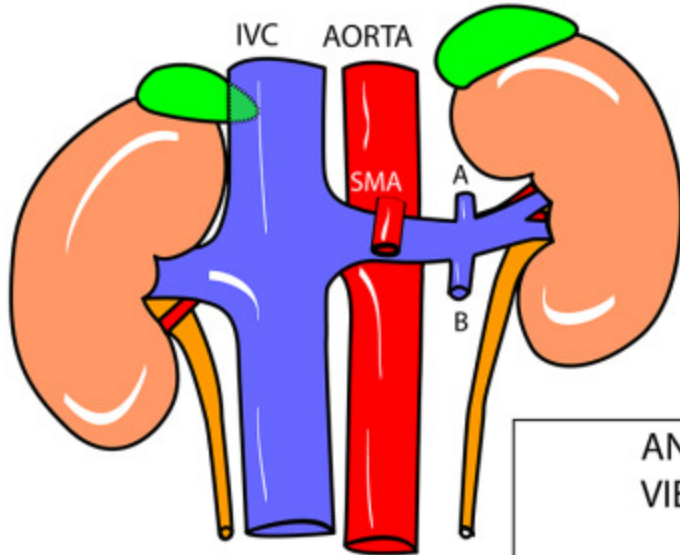
## KIDNEYS (GENERAL)

- 11x6x4cm, 120g each, 1200ml blood/minute
- Retroperitoneal, move 2-3cm on respiration
- Pelvis faces medially/anterior
- 1 million nephrons/kidney
- Lymphatics to para-aortics
- Sympathetic from T12-L1 for vasoconstriction & pain
- Parasympathetics from vagus. Function unknown
- Polar & capsular vessels give minimal collateral supply





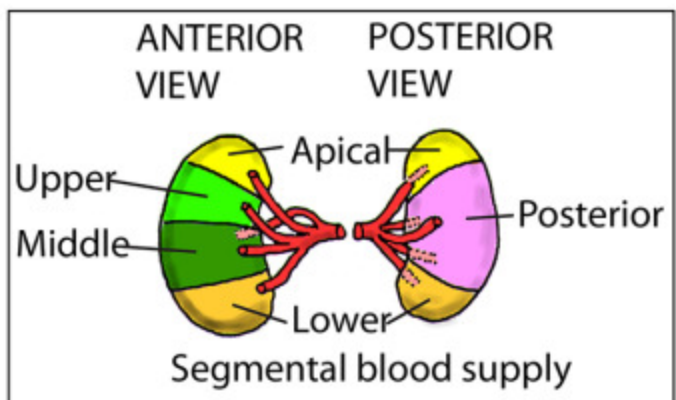
### HILUM OF KIDNEY



Occasional arrangement with left renal vein passing posterior to aorta

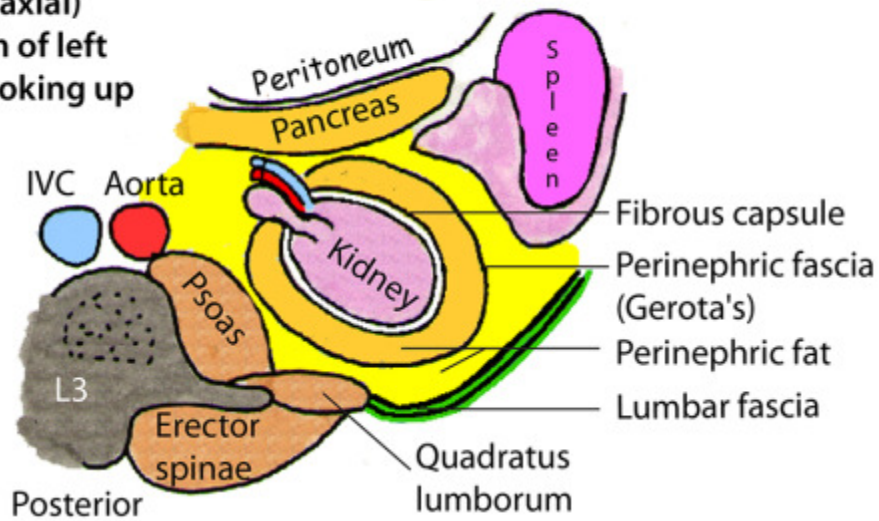
"V - A - U"

A = Left adrenal vein  
 B = Left gonadal vein  
 SMA = Superior mesenteric artery



## KIDNEY (RELATIONS)

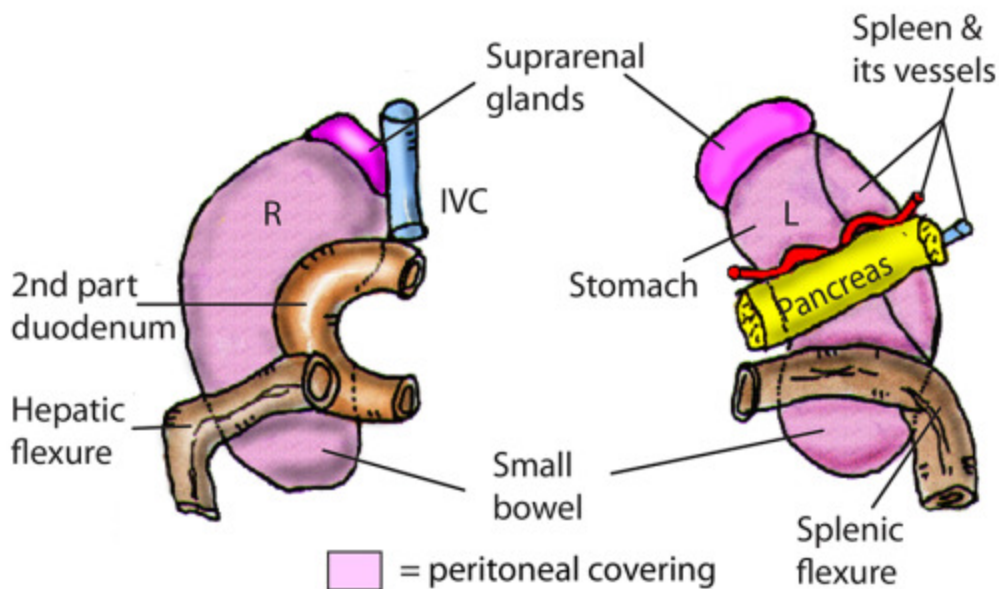
Cross (axial)  
section of left  
side looking up



Note: The perinephric fascia is attached around the renal pelvis but is open inferiorly so that pus or extravasated urine can track down alongside the ureter.

**Kidneys move 3-4cm on respiration**

## ANTERIOR RELATIONS OF KIDNEYS



## POSTERIOR RENAL RELATIONS (BOTH SIDES)

