

Identify the following structures

I-Kidney

- a) Medulla (pyramids)
- b) Cortex
- c) Renal column
- d) Renal papillae
- e) Minor calyces
- f) Major calyces
- g) Renal pelvis
- h) Renal lobe
- i) Renal lobule
- j) Segmental artery
- k) Lobar artery
- l) Inter-lobar artery
- m) arcuate artery
- n) interlobular artery
- o) Renal artery
- p) Renal Vein
- q) Relation of the kidneys
- r) Peritoneal covering of the kidneys

II -Ureter

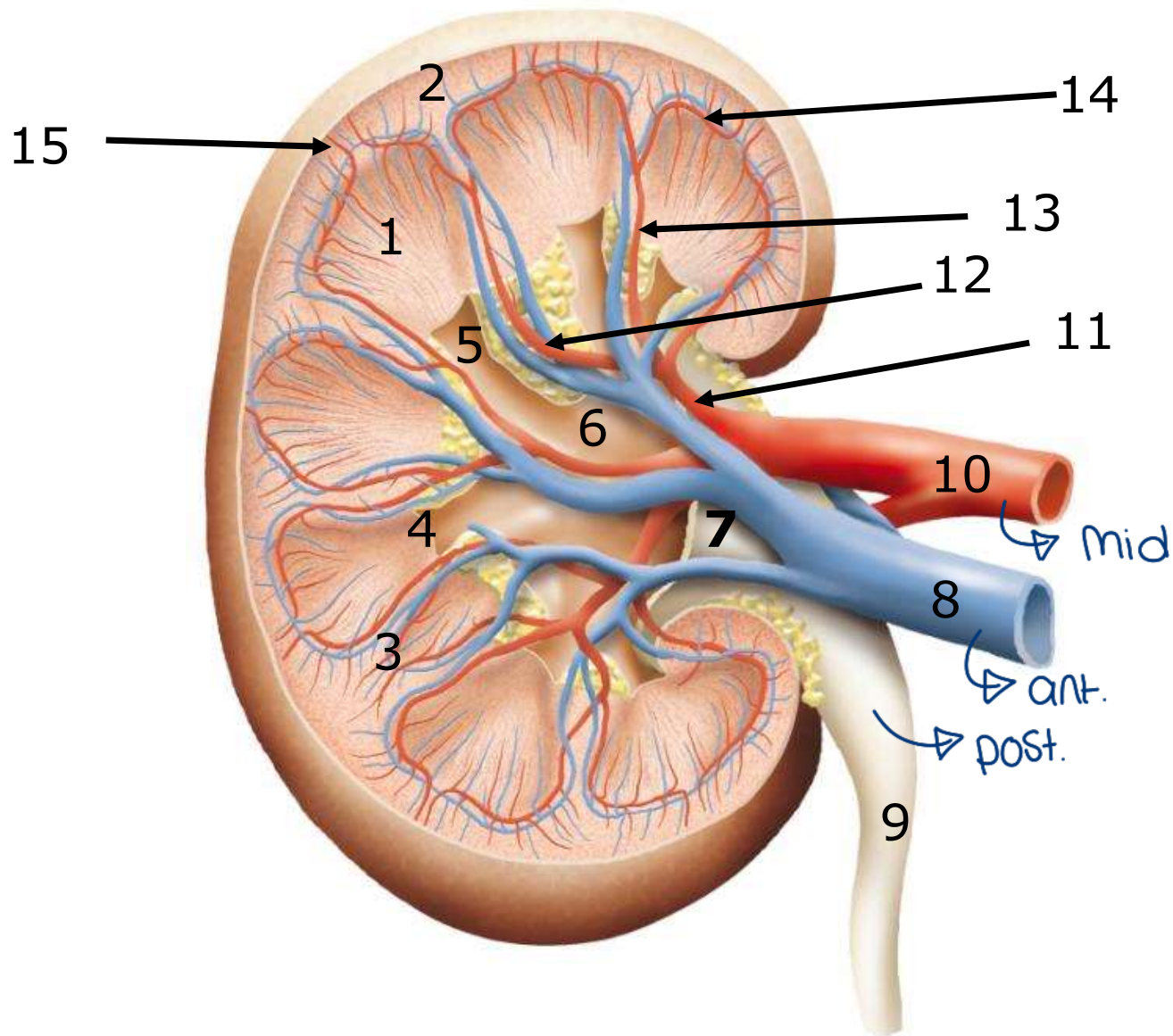
- a) Ureter with its relations
- b) Site of normal constrictions of the ureters

III-Urinary Bladder

- a) Surfaces and relations of the urinary bladder
- b) Interior of urinary bladder
- c) Ligaments of urinary bladder

IV- Urethra

- a) Parts of male urethra and its features



- ① medulla
- ② cortex
- ③ renal column
- ④ renal papillae
- ⑤ minor Calyces
- ⑥ major Calyces
- ⑦ renal pelvis
- ⑧ renal V
- ⑨ Ureter
- ⑩ renal A
- ⑪ Segmental A
- ⑫ lobar A
- ⑬ inter lobar A
- ⑭ arcuate A
- ⑮ inter lobular A

Label the Diagram

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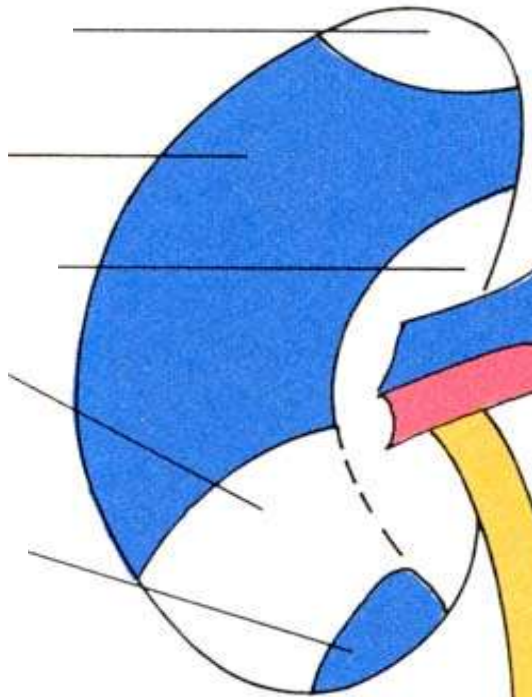
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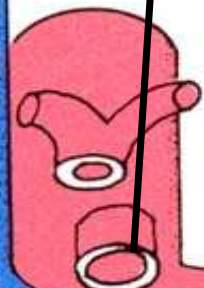
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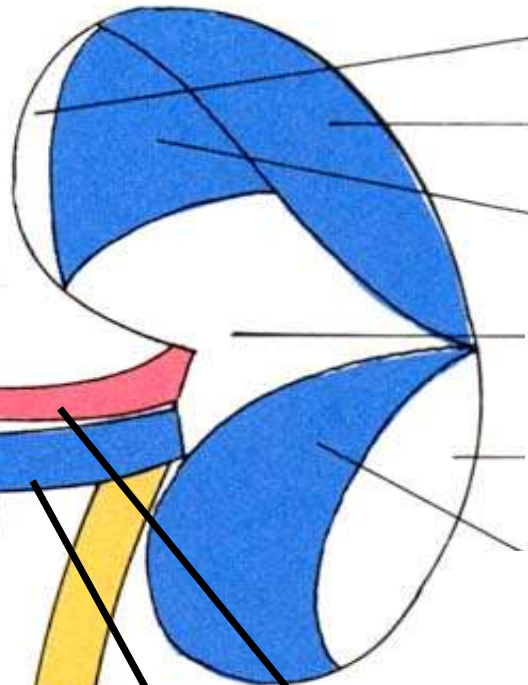
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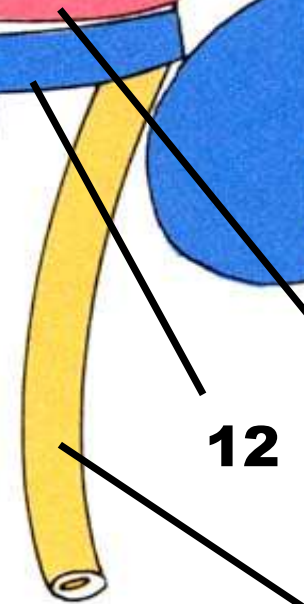
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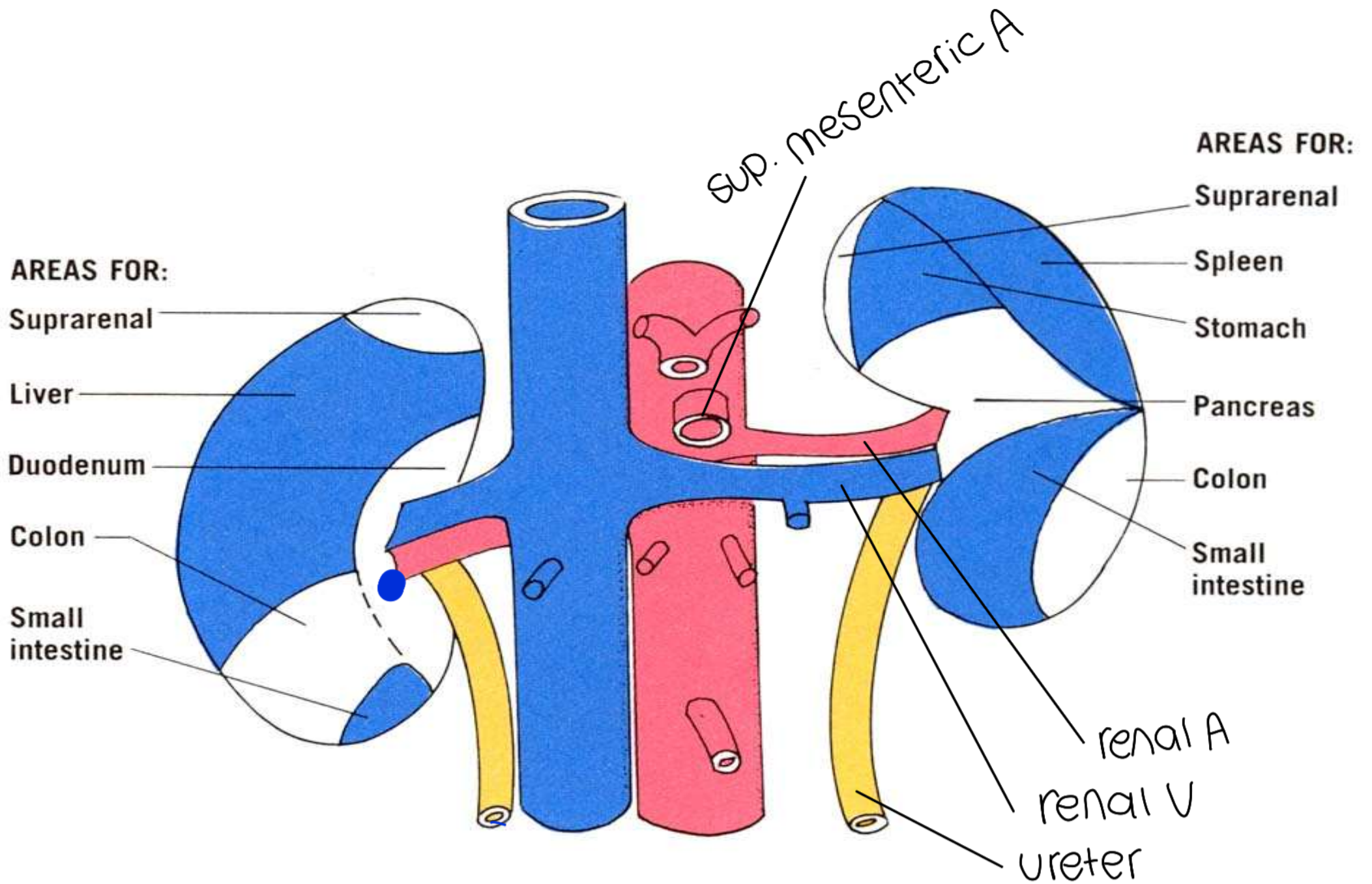


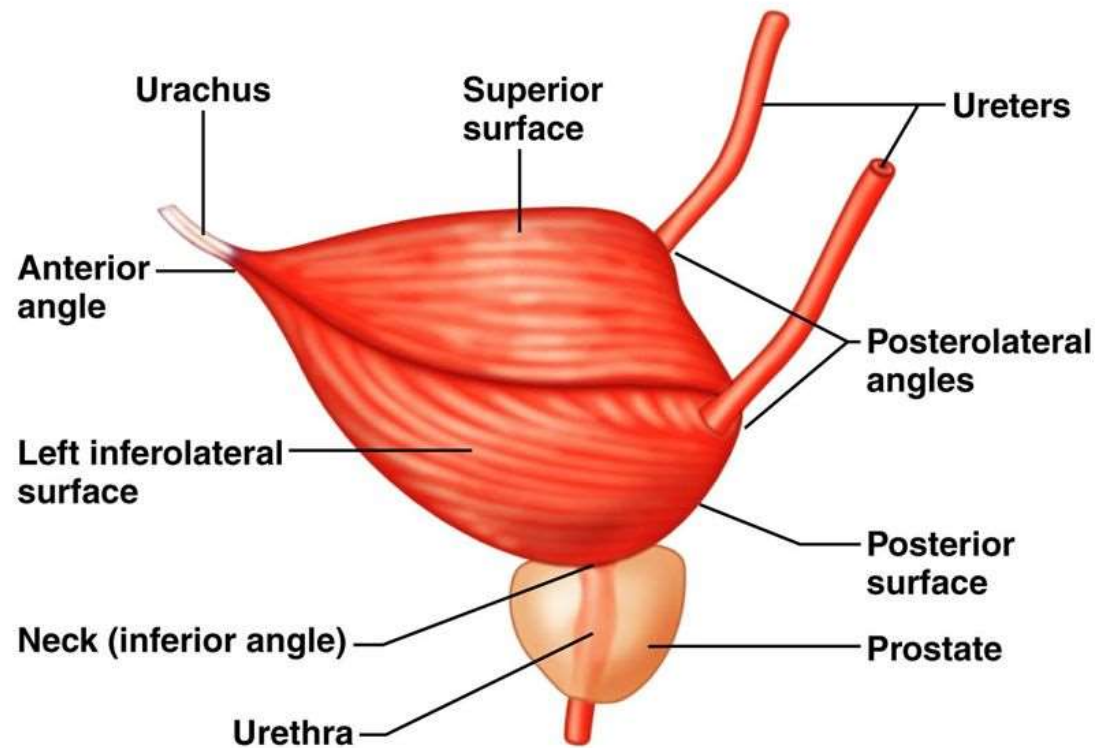
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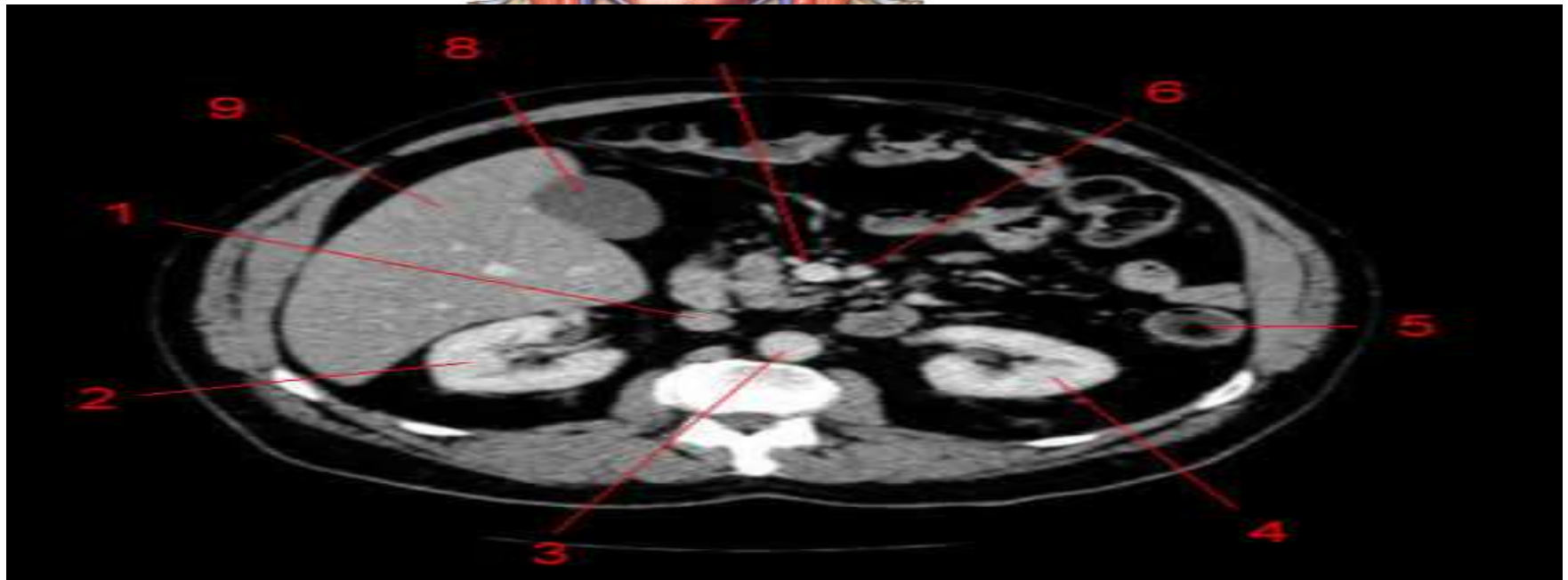
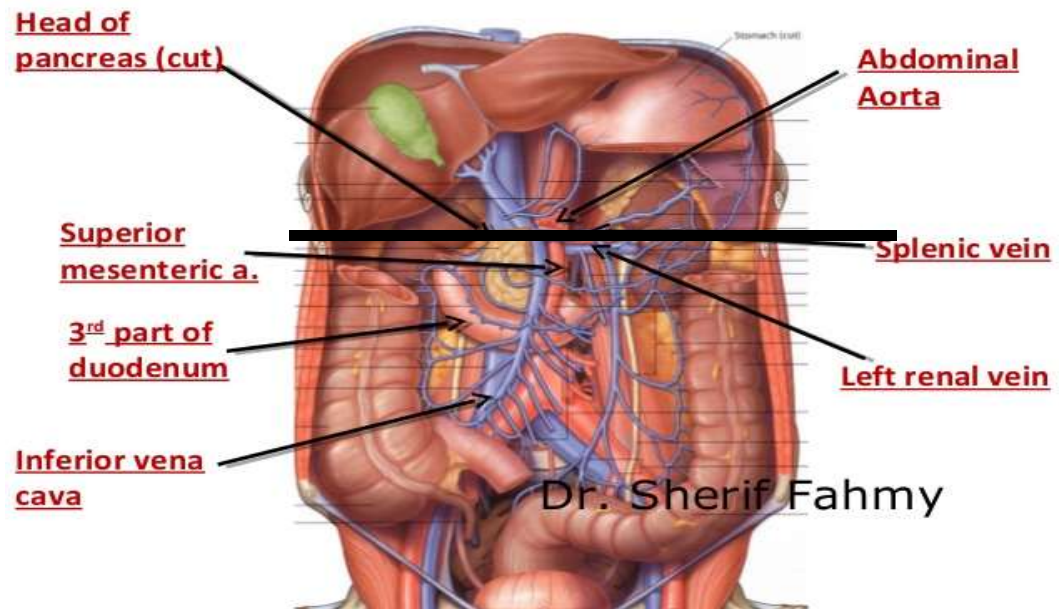


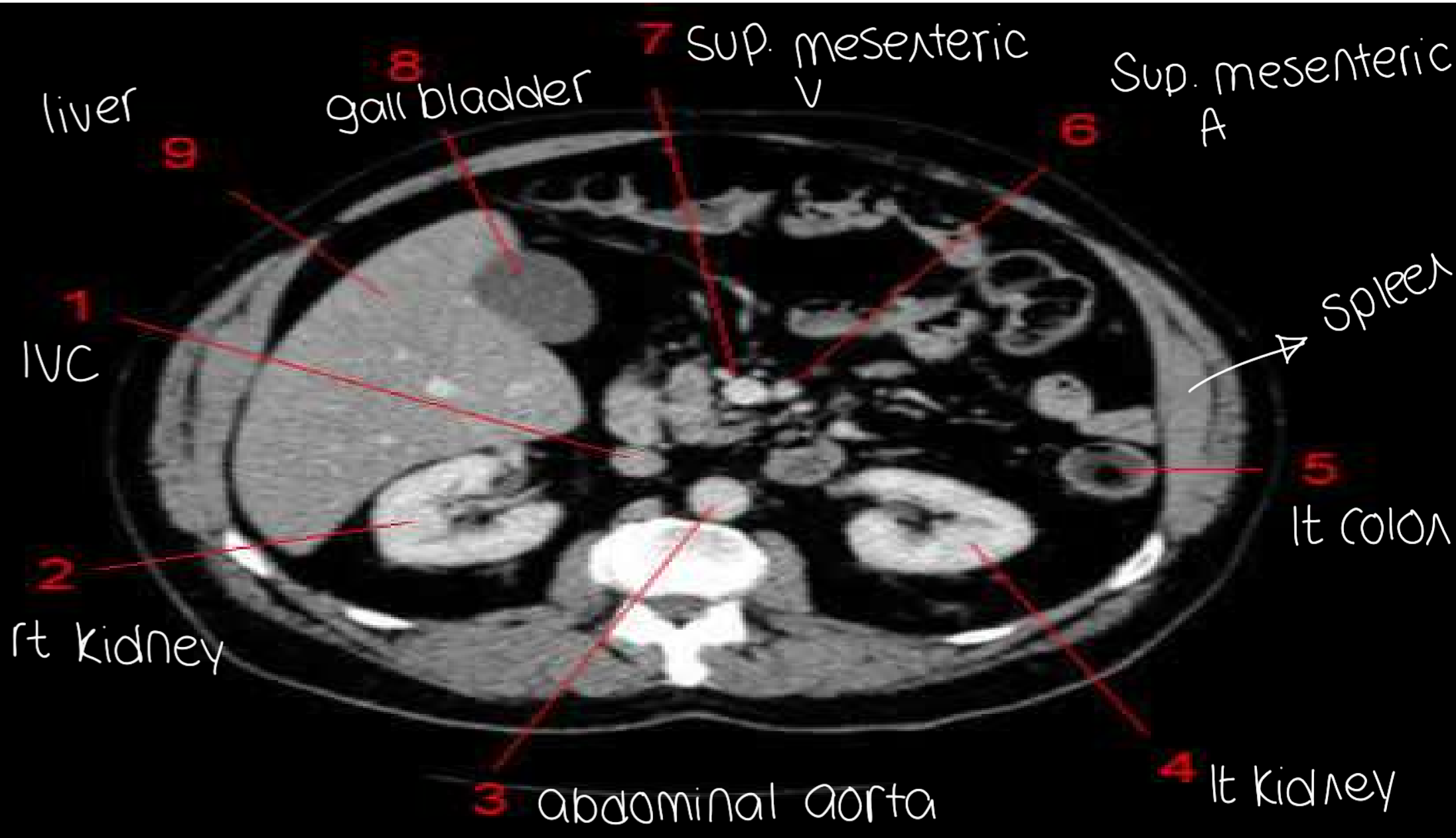


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Mention the relation of urinary bladder In Male and Female

- **inferolat. Surface:** retro pubic space / obturator int. / levator ani / Prostate (only ♂)
- **apex:** median umbilical lig.
- **Sup. Surface** ♂: Sigmoid / coils of Small intestine
♀: Uterus / Supravaginal cervix / coils of Small intestine
- **post. (base)** ♂: Seminal vesicle / vas deferens / rectum // ♀: vagina





1. What is the type of this radiograph ?
2. Where is the location of the stone ?
3. Mark sites of ureteric constriction

- ① KUB (Kidney - Ureter - Bladder)
- ② It ureter at level L4
- ③ a - pelvoureteric junction (L2)
b - Sacroiliac joint (pelvic brim)
c - ischial spine (entry of bladder)





Which is abnormal urethrogram and why ?

b (ruptured bladder)