

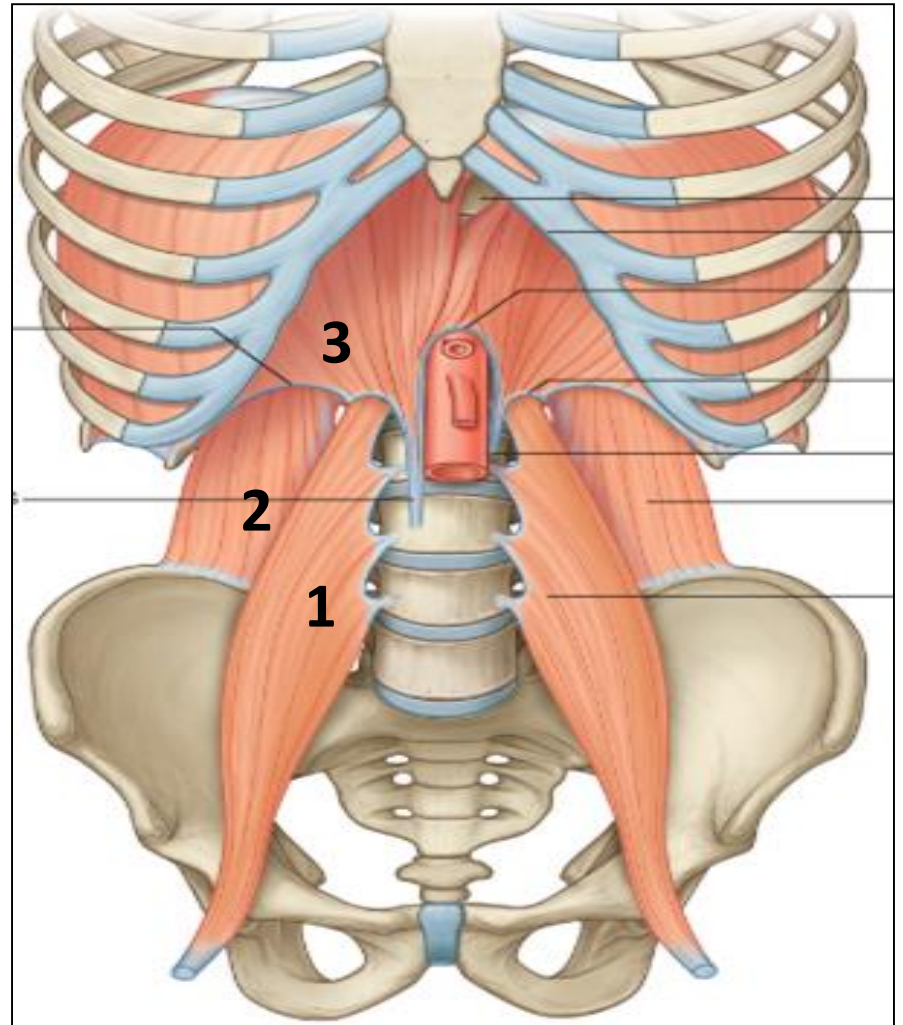
Practical renal block

Don't panic!!

Most of the pictures are repeated over and over again but with different structures.

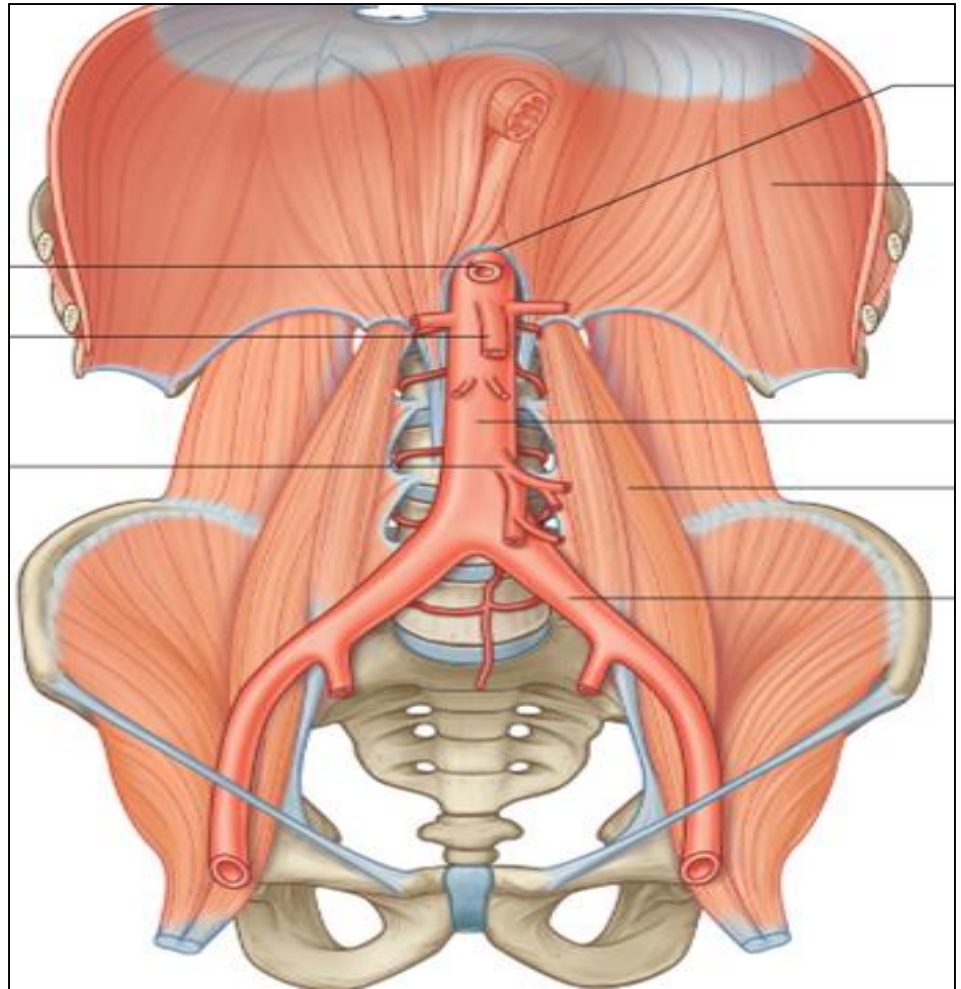
Q 1

- Identify the muscles:
- 1-Psoas major
- 2- Quadratus lamborum
- 3- Diaphragm



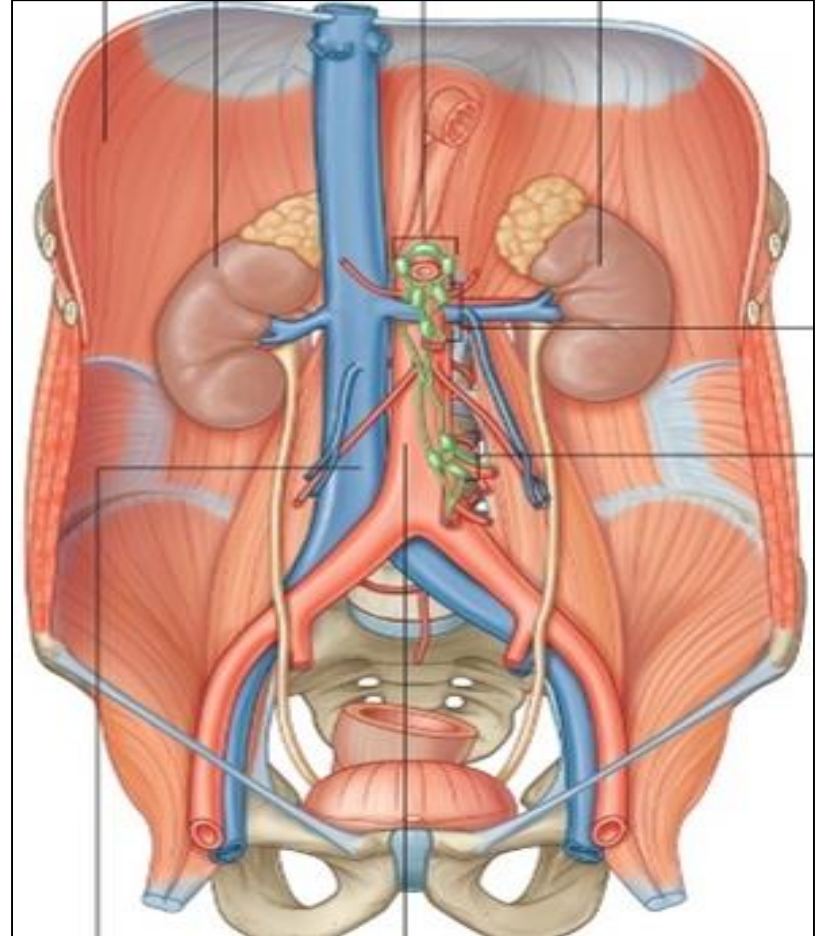
Q 2

- 1-The renal artery arises from abdominal aorta.
- 2-The level of the renal artery is L2
- 3-The renal veins drain into inferior vena cava
- 4- The right renal vein is shorter than the left renal vein



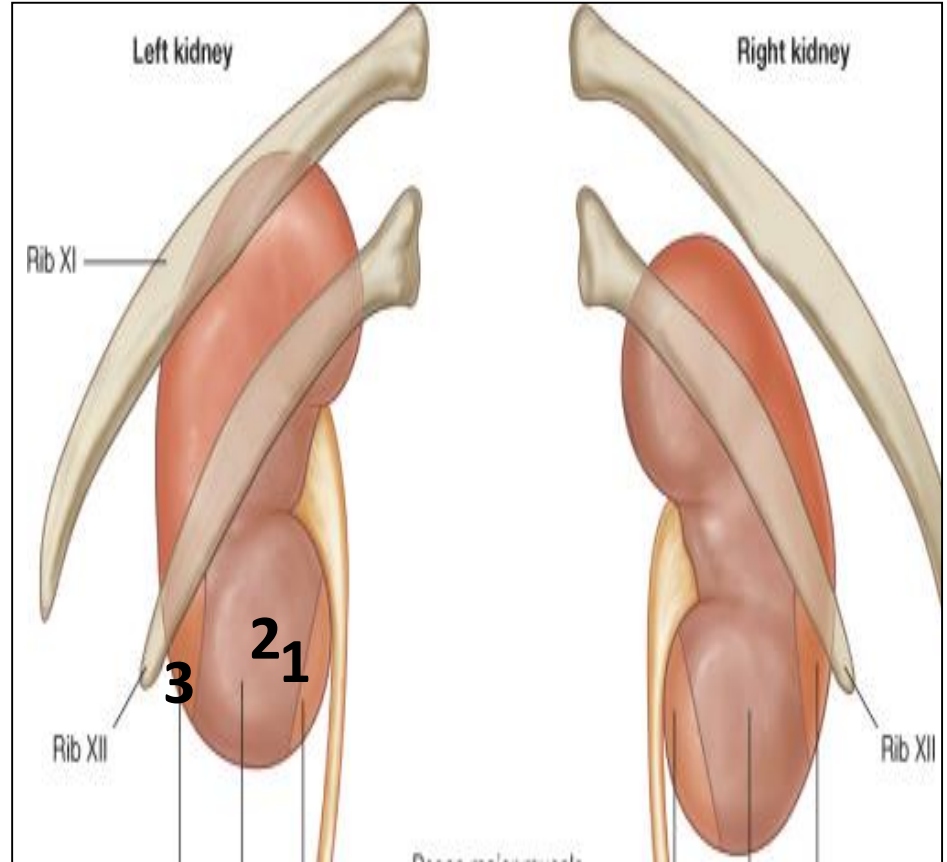
Q 3

- Identify **two** veins drain into the left renal vein:
- 1-left suprarenal vein
- 2-left gonadal vein



Q 4

- Identify the structures related to the marked areas:
- 1-Psoas Major muscle
- 2-Quadratus lumborum Muscle
- 3-Transversus abdominis muscle



Q 5

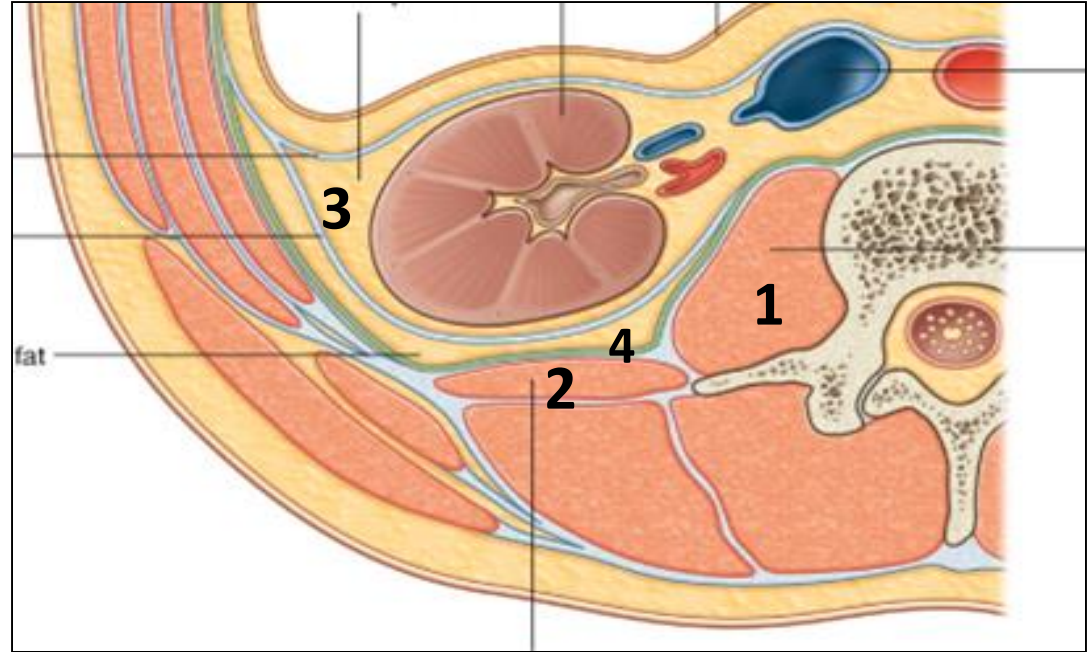
- Identify the structures:

1-Psoas major Muscle

2-Quadratus lumborum Muscle

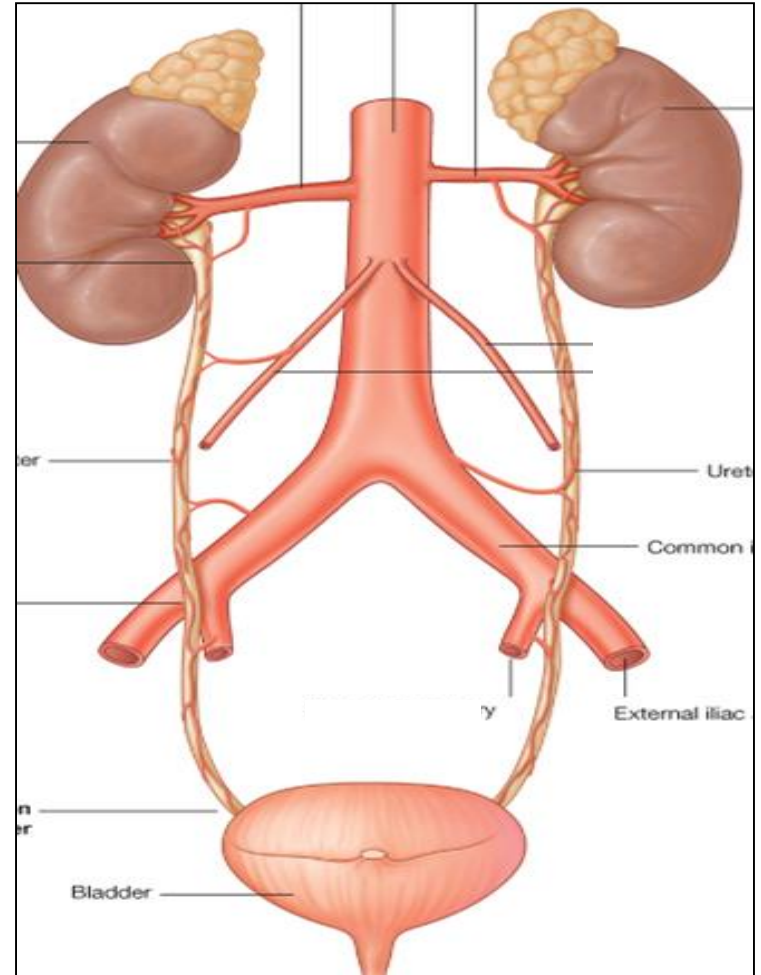
3-Perirenal fat

4-Pararenal fat



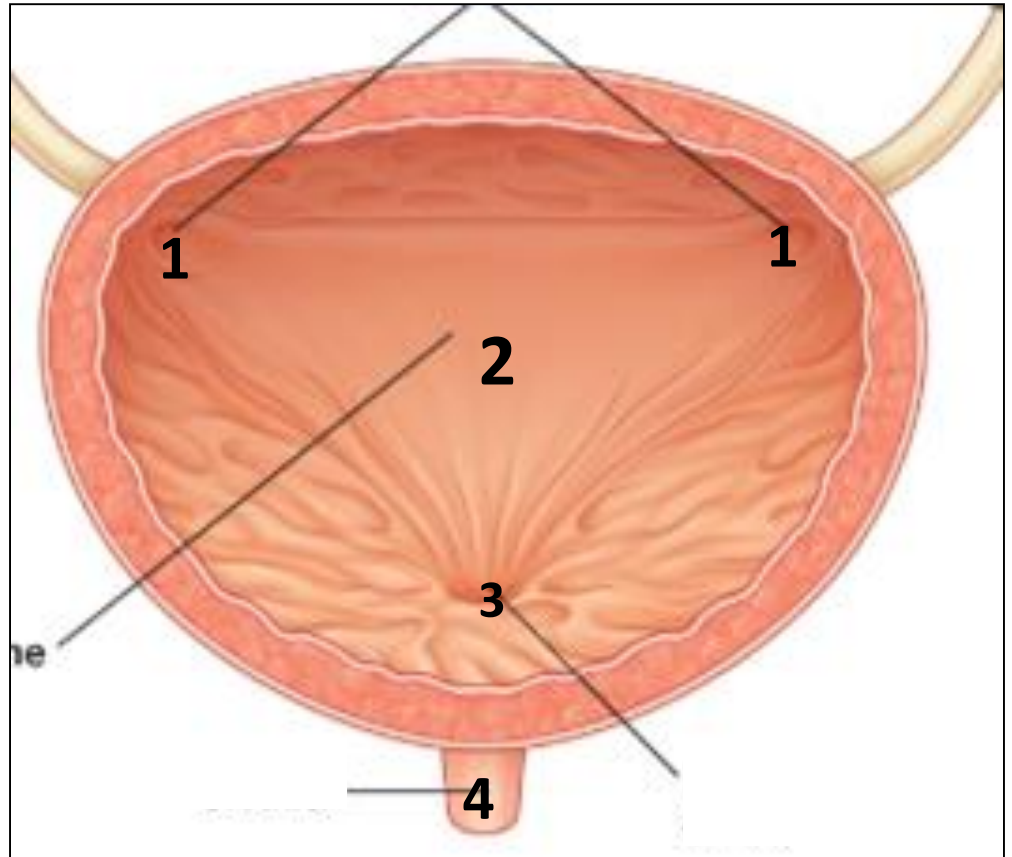
Q 6

- The ureter is supplied by:
- 1-Renal artery
- 2-Gonadal artery
- 3-Common iliac artery
- 4-Internal iliac artery



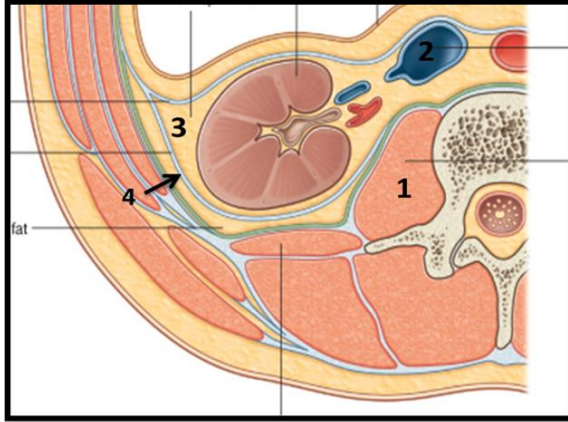
Q 7

- **Identify the labeled areas:**
- 1-Ureteric orifice
- 2- Trigone
- 3-Internal urethral orifice
- 4-urethra



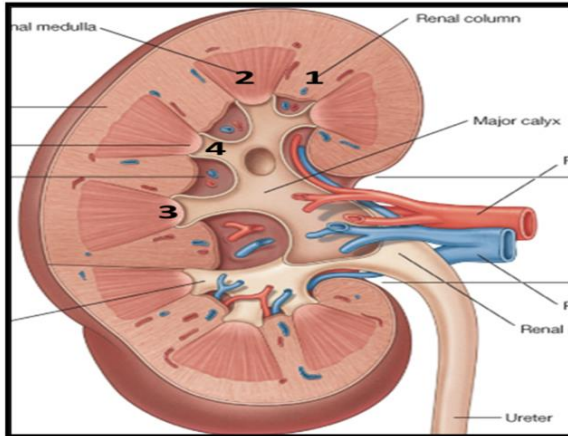
From Med432 and Med433

Anatomy



Identify the structures:

- 1- Psoas major M
- 2- Inferior vena cava
- 3- Perirenal fat
- 4- Renal Fascia



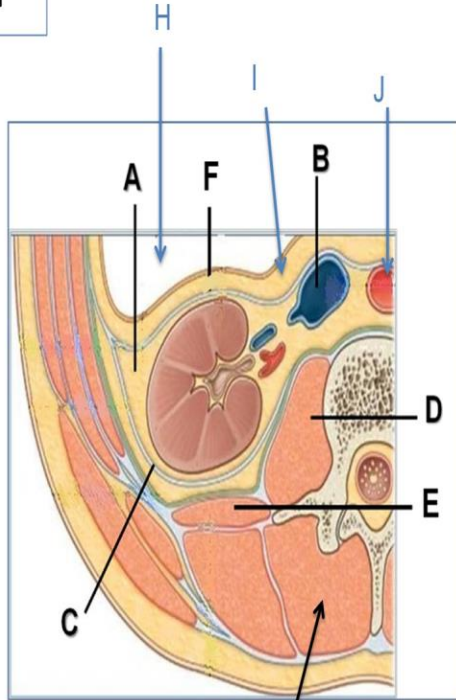
Identify the marked areas:

- 1- Renal Column
- 2- Renal Pyramid
- 3- Renal Papilla
- 4- Minor Calyx

Identify A, B, C, D, E, F

KEY

- A. Perirenal fat
- B. Inferior vena cava
- C. Renal fascia
- D. Psoas major
- E. Quadratus lumborum
- F. Peritoneum
- G. Erector spinae



H : abdominal cavity
I : pararenal fat
J : abdominal aorta

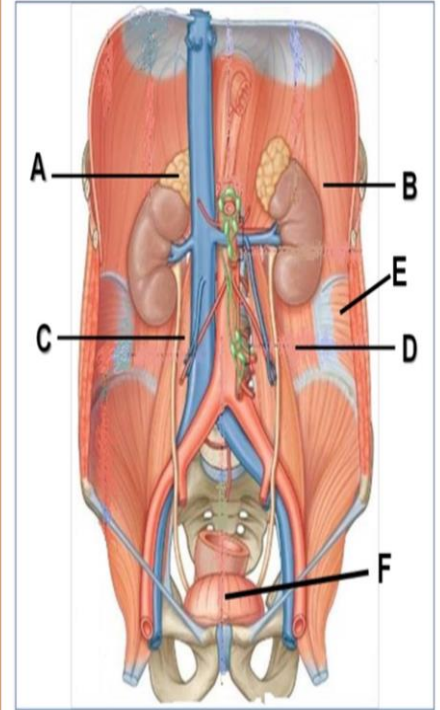
Extra notes

Blue arrows

Identify A, B, C, D, E, F

KEY

- A. Adrenal gland
- B. Diaphragm
- C. Psoas major
- D. Quadratus lumborum
- E. Transversus abdominis
- F. Urinary bladder



Name the structures related to the marked areas

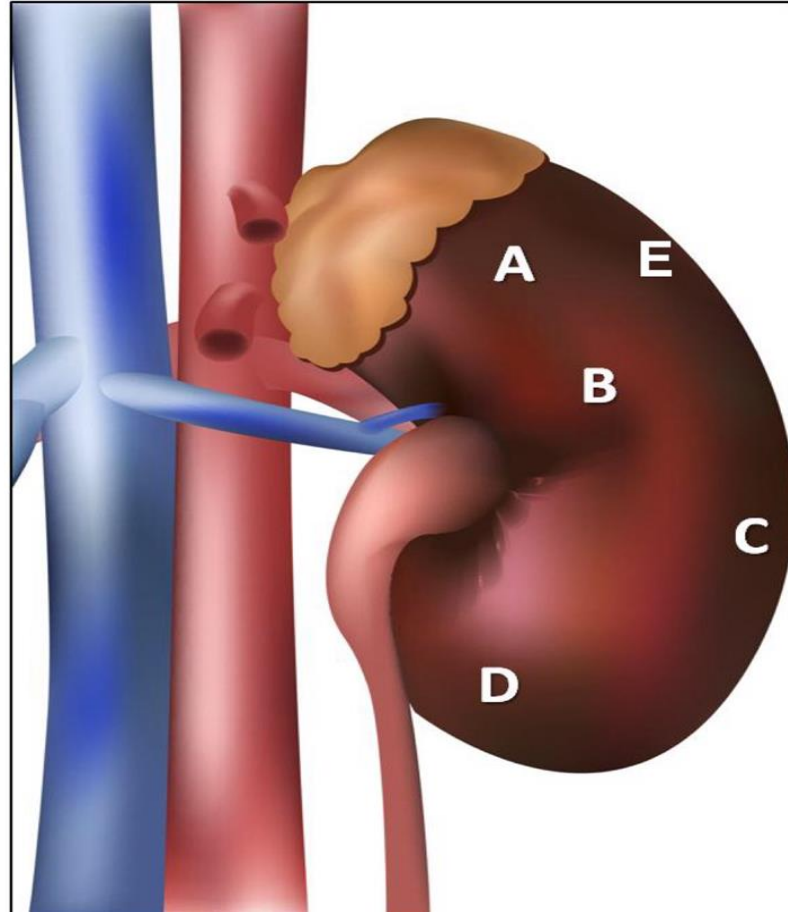
Left kidney : because it's near to the aorta + longer renal vein .

KEY

- A. Stomach
- B. Pancreas
- C. Descending Colon
- D. Small intestine (loop of jejunum)
- E. Spleen

With Peritoneum

Without Peritoneum



Name the structures related to the marked areas

Right kidney : because it's near
to the I.V.C

KEY

A. Liver

B. Duodenum

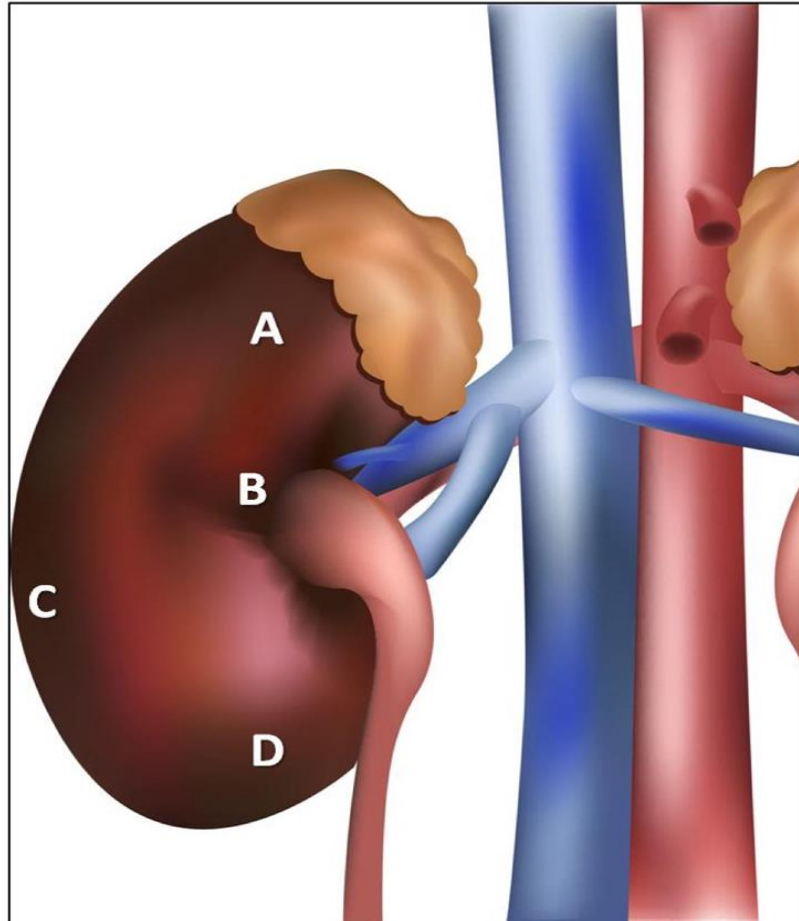
(2nd part)

C. Right colic flexure

D. Small intestine

With Peritoneum

Without Peritoneum

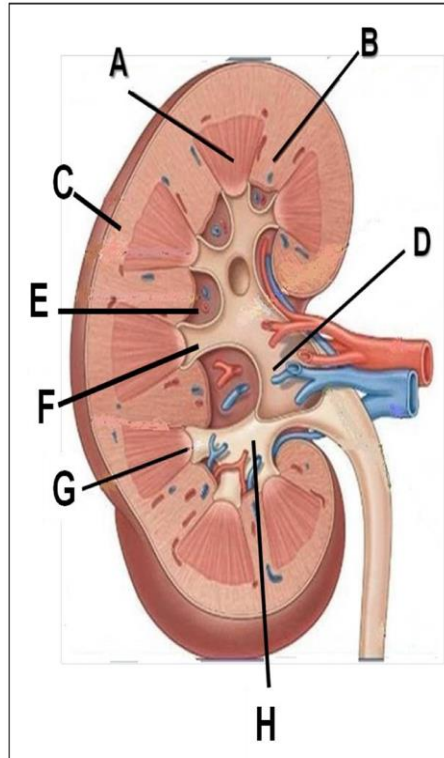


Identify A, B, C, D, E, F, G, H

Longitudinal section of
the kidney

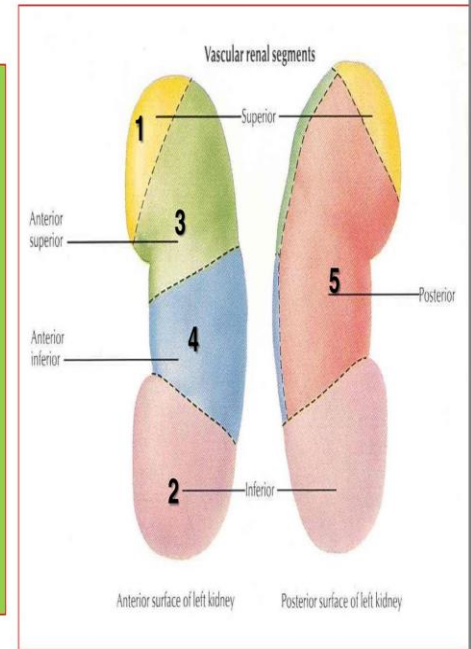
KEY

- A. Renal pyramid
- B. Renal column
- C. Cortex
- D. Renal pelvis
- E. Renal sinus
- F. Minor calyx
- G. Renal papilla
- H. Major calyx



ADDITIONAL SLIDE

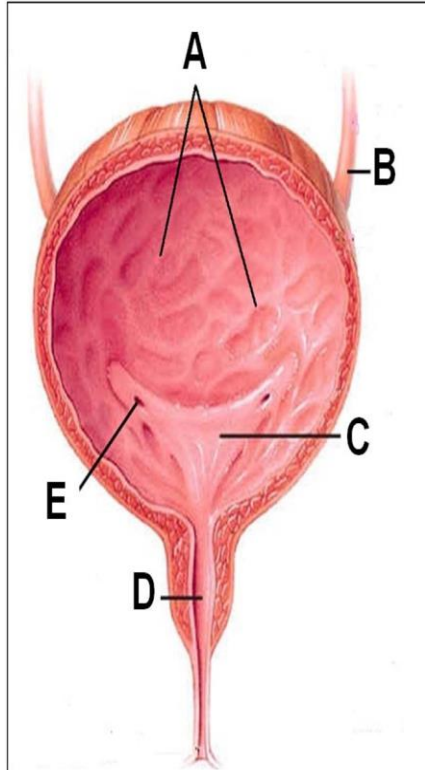
1. Apical Segment.
2. Caudal Segment.
3. Anterior Superior Segment.
4. Anterior Inferior Segment.
5. Posterior Segment.



Identify A, B, C, D, E

KEY

- A. Mucosal folds
- B. Ureter
- C. Trigone
- D. Urethra
- E. Ureteric orifice



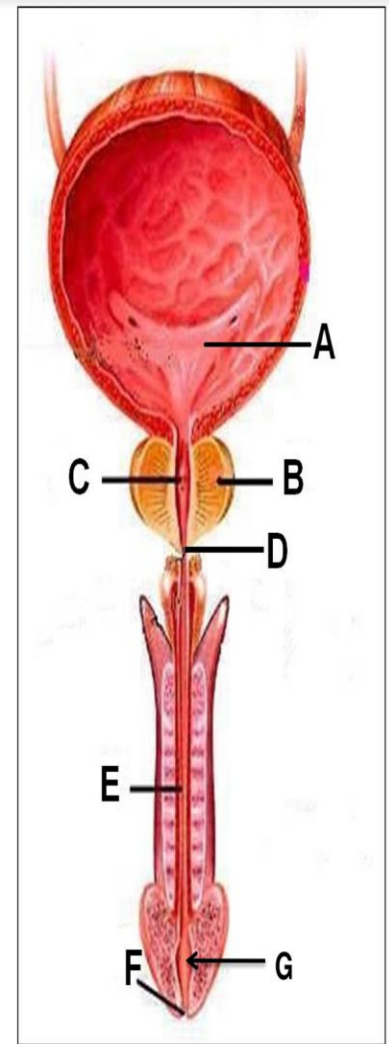
Notes : trigone is formed by 2 ureteric orifice and 1 urethral orifice

Female

Identify A, B, C, D, E, F

KEY

- A. Trigone
- B. Prostate
- C. Prostatic urethra
- D. Membranous urethra
- E. Penile urethra
- F. External urethral orifice
- G. Fossa navicularis

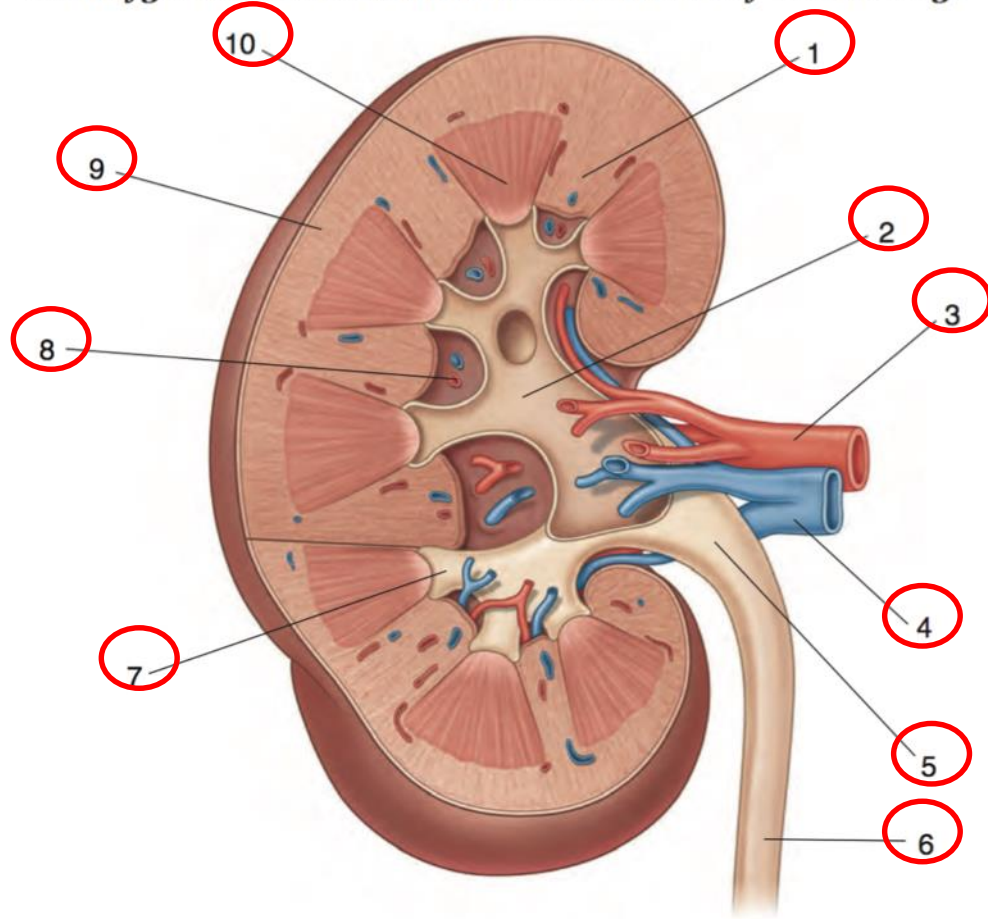


Male

Extra (important)

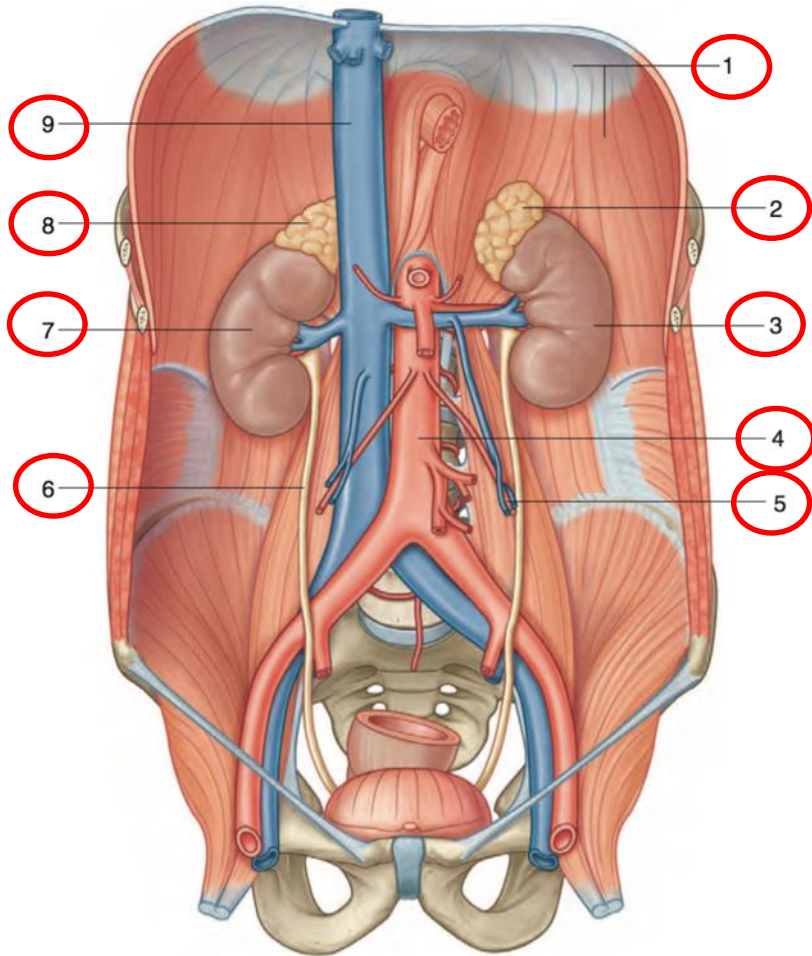
These pictures was taken
from gray's anatomy textbook,
which are probably the same pictures
in the ospe exam.

Identify the indicated internal structures of the kidney.

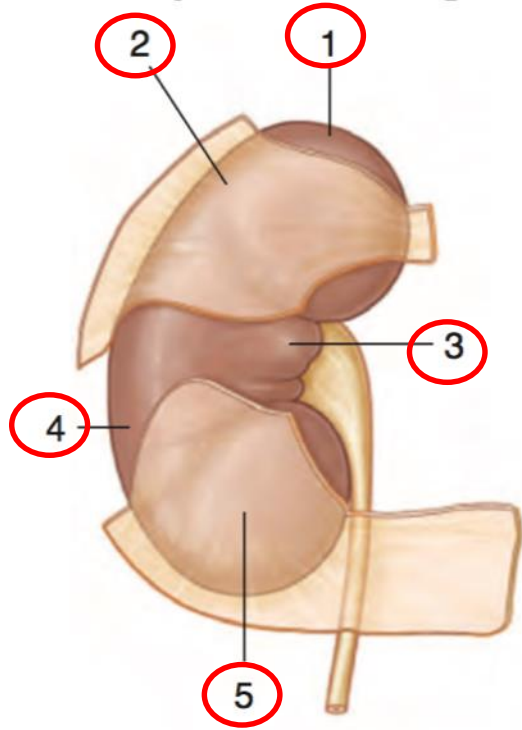


1. Renal column
2. Major calyx
3. Renal artery
4. Renal vein
5. Renal pelvis
6. Ureter
7. Minor calyx
8. Renal sinus
9. Renal cortex
10. Pyramid in renal medulla

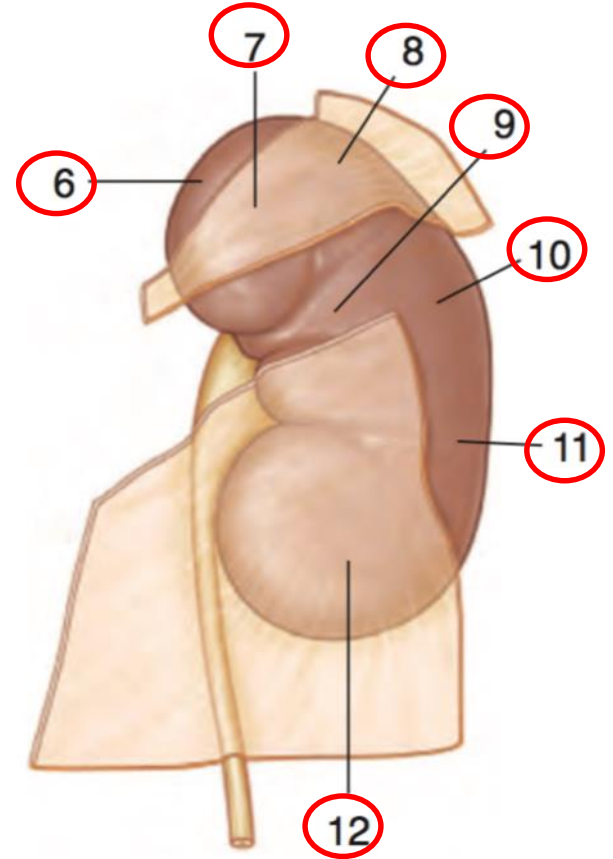
Identify the indicated structures in the posterior abdominal region.



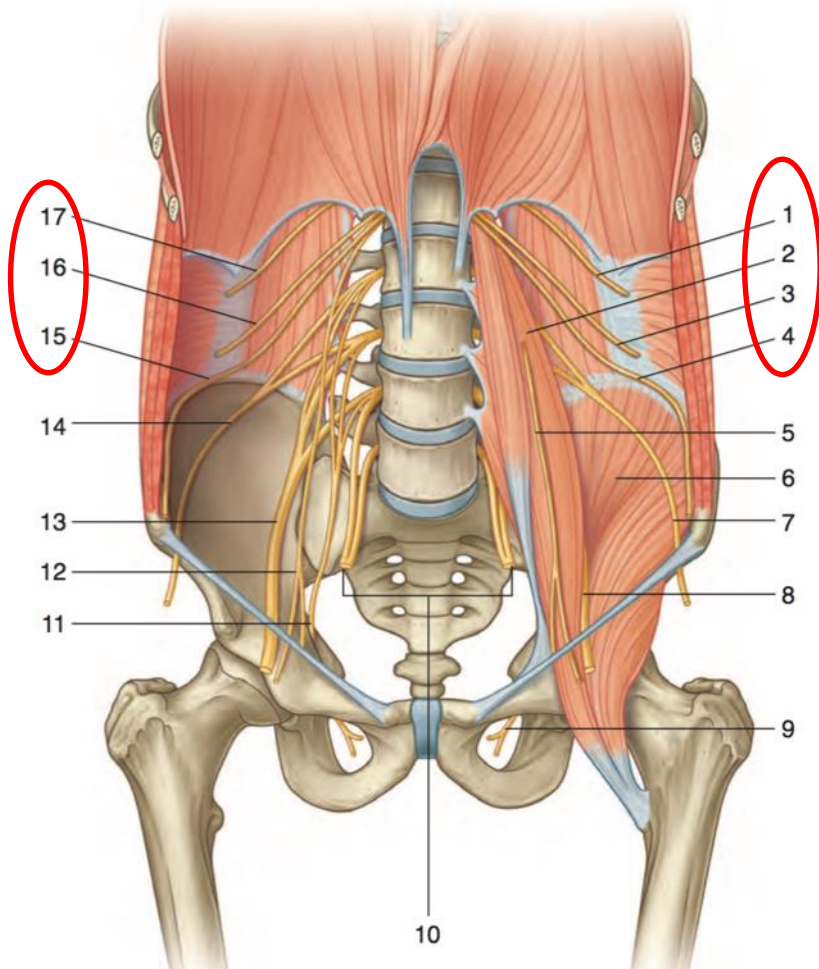
1. Diaphragm
2. Left suprarenal gland
3. Left kidney
4. Abdominal aorta
5. Right gonadal vessels
6. Right ureter
7. Right kidney
8. Right suprarenal gland
9. Inferior vena cava



1. Right suprarenal gland
 2. Liver
 3. Descending part of duodenu
 4. Right colic flexure
 5. Small intestine
6. Left suprarenal gland
 7. Stomach
 8. Spleen
 9. Pancreas
 10. Left colic flexure
 11. Descending colon
 12. Jejunum

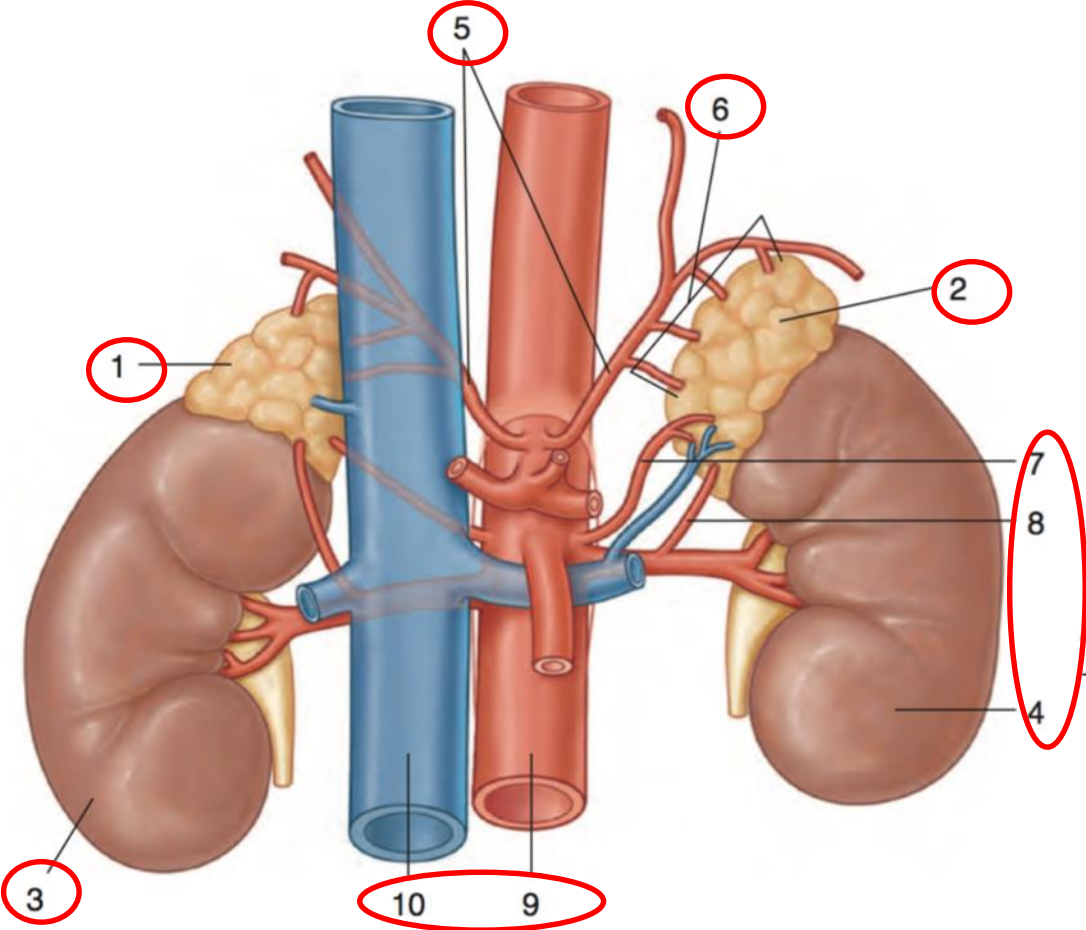


Identify the indicated parts of the lumbar plexus and related structures.



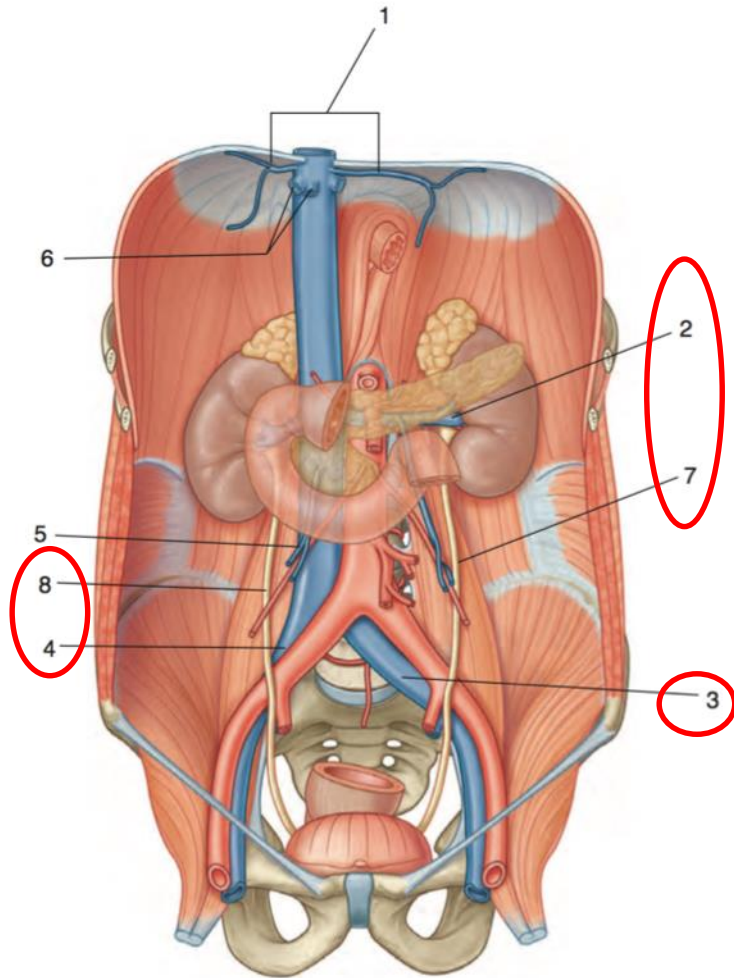
1. Subcostal nerve (T12)
2. Psoas major muscle
3. Iliohypogastric nerve (L1)
4. Ilio-inguinal nerve (L1)
5. Genitofemoral nerve (L1, L2)
6. Iliacus muscle
7. Lateral cutaneous nerve of thigh (L2, L3)
8. Femoral nerve (L2 to L4)
9. Obturator nerve (L2 to L4)
10. Lumbosacral trunks (L4, L5)
11. Obturator nerve
12. Genitofemoral nerve
13. Femoral nerve
14. Lateral cutaneous nerve of thigh
15. Ilio-inguinal nerve
16. Iliohypogastric nerve
17. Subcostal nerve

Identify indicated structures related to the renal and suprarenal glands.



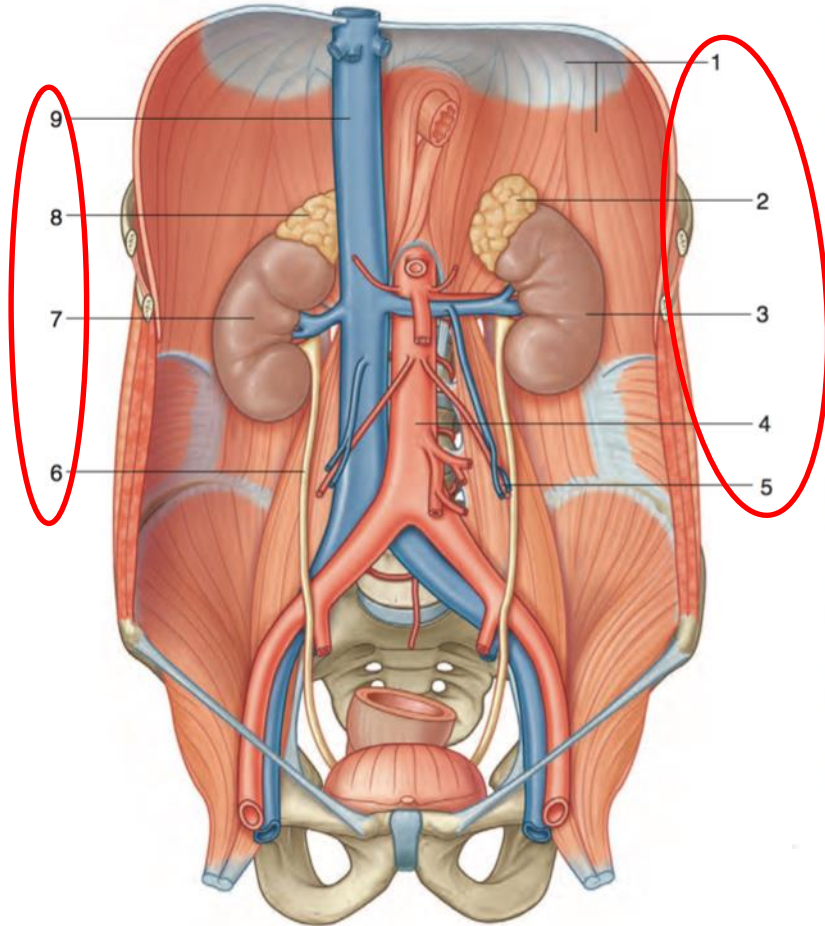
1. Right suprarenal gland
2. Left suprarenal gland
3. Right kidney
4. Left kidney
5. Inferior phrenic arteries
6. Superior suprarenal arteries
7. Middle suprarenal artery
8. Inferior suprarenal artery
9. Abdominal aorta
10. Inferior vena cava

Identify the indicated tributaries to the inferior vena cava.



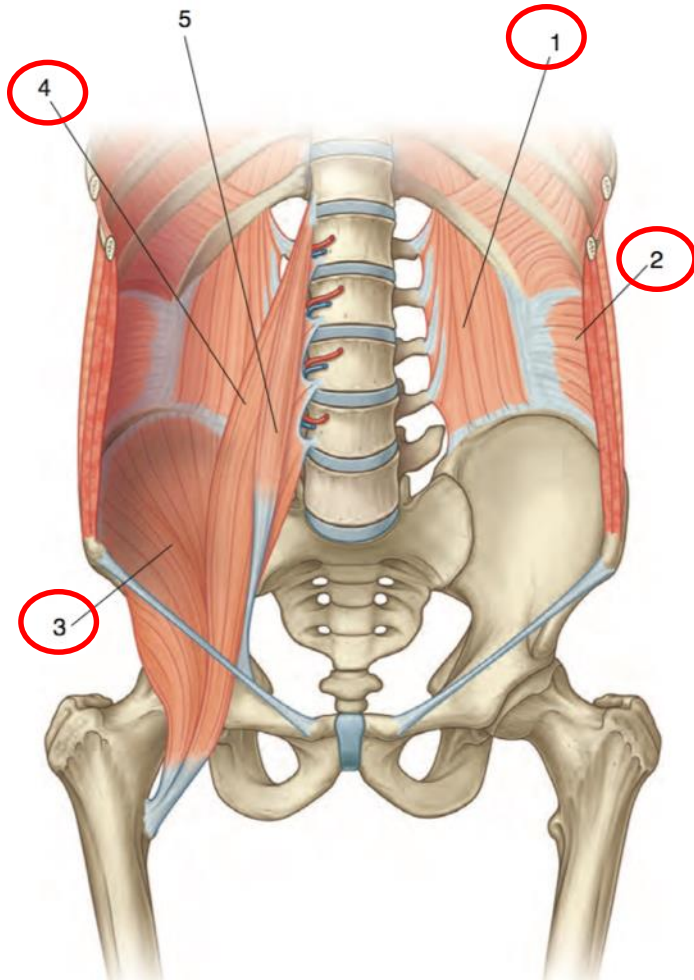
1. Inferior phrenic veins
2. Left renal vein
3. Left common iliac vein
4. Right common iliac vein
5. Right testicular/ovarian vein
6. Hepatic veins
7. Left ureter
8. Right ureter

Identify the indicated structures in the posterior abdominal region.



1. Diaphragm
2. Left suprarenal gland
3. Left kidney
4. Abdominal aorta
5. Right gonadal vessels
6. Right ureter
7. Right kidney
8. Right suprarenal gland
9. Inferior vena cava

Identify the indicated muscles of the posterior abdominal wall.



1. **Quadratus lumborum muscle**
2. **Transversus abdominis muscle**
3. **Iliacus muscle**
4. **Psoas major muscle**
5. **Psoas minor muscle**

Done by:
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Munerah Alomari

Thanks for team 434