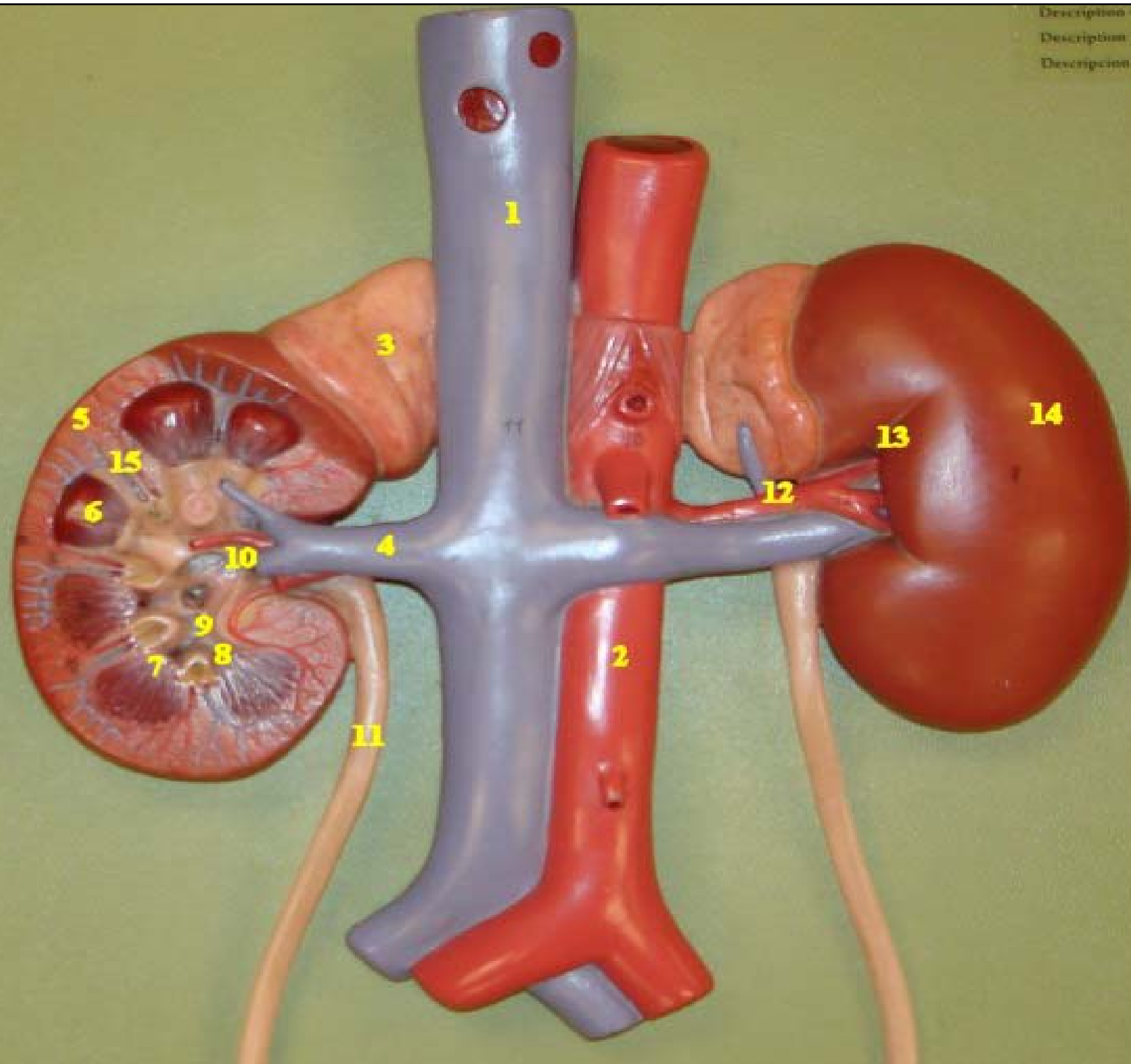
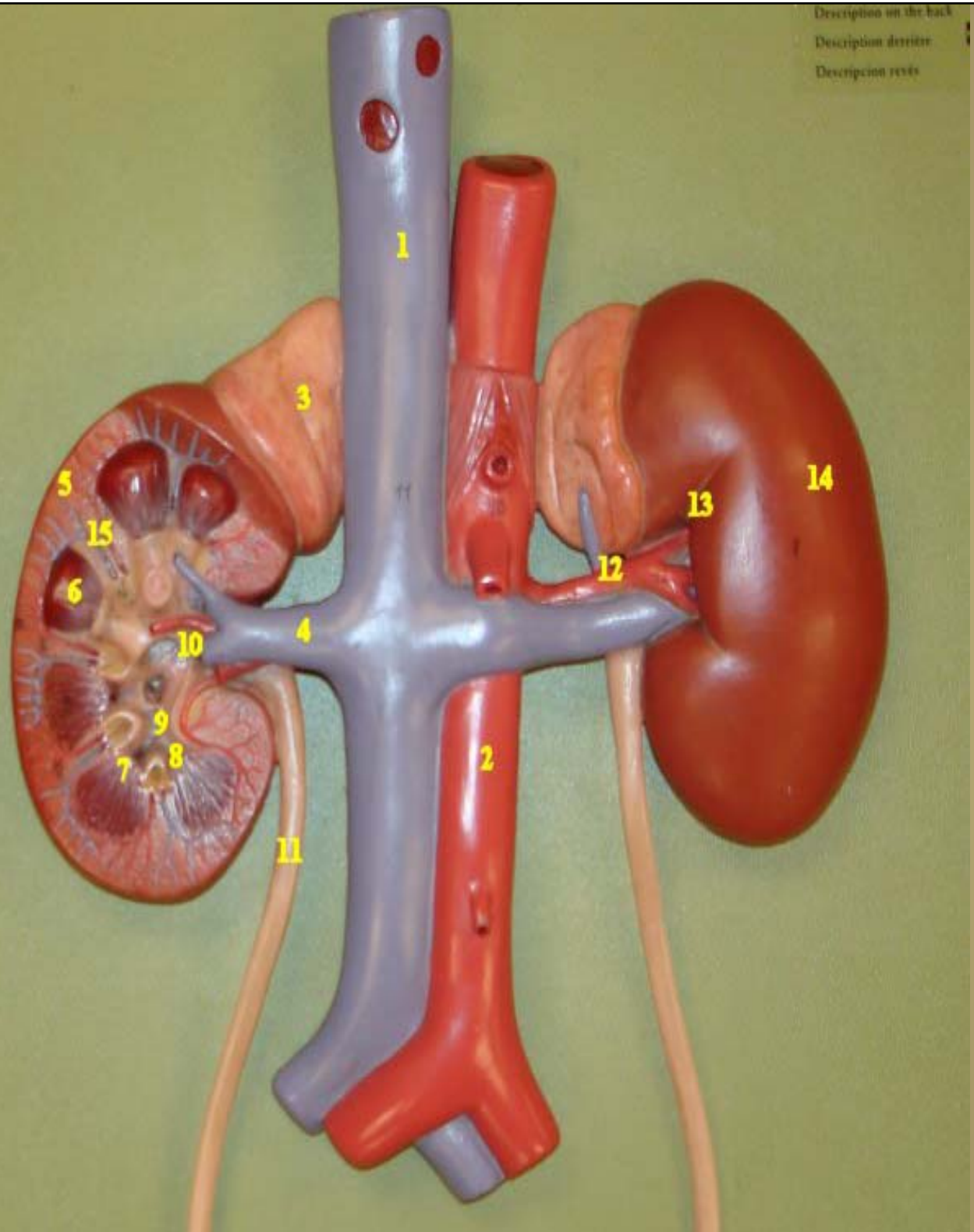


Description on the back  
Description anterior  
Description roots



1. Inferior vena cava
2. Abdominal aorta
3. Adrenal gland
4. Renal vein
5. Renal cortex
6. Renal pyramid
7. Renal papilla
8. Minor calyx
9. Major calyx
10. Renal pelvis
11. Ureter
12. Renal artery
13. Renal hilus
14. Fibrous capsule
15. Renal column



PG



1. Ureter
2. Detrusor muscle
3. Mucosa with rugae
4. Trigone
5. Internal urethral orifice
6. Internal urethral sphincter
7. Prostate gland
8. Prostatic urethra

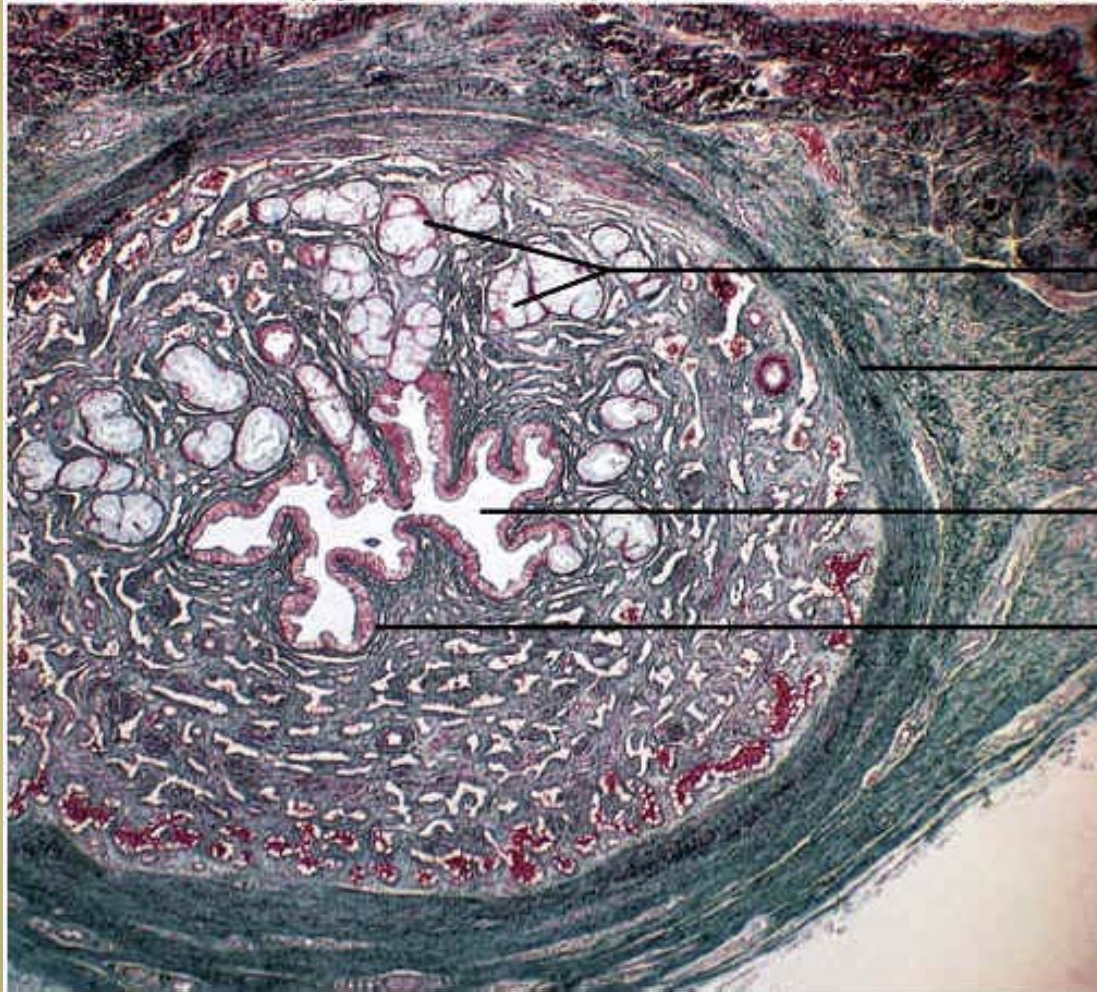


# Ureter Cross Section





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## Urethra Cross Section

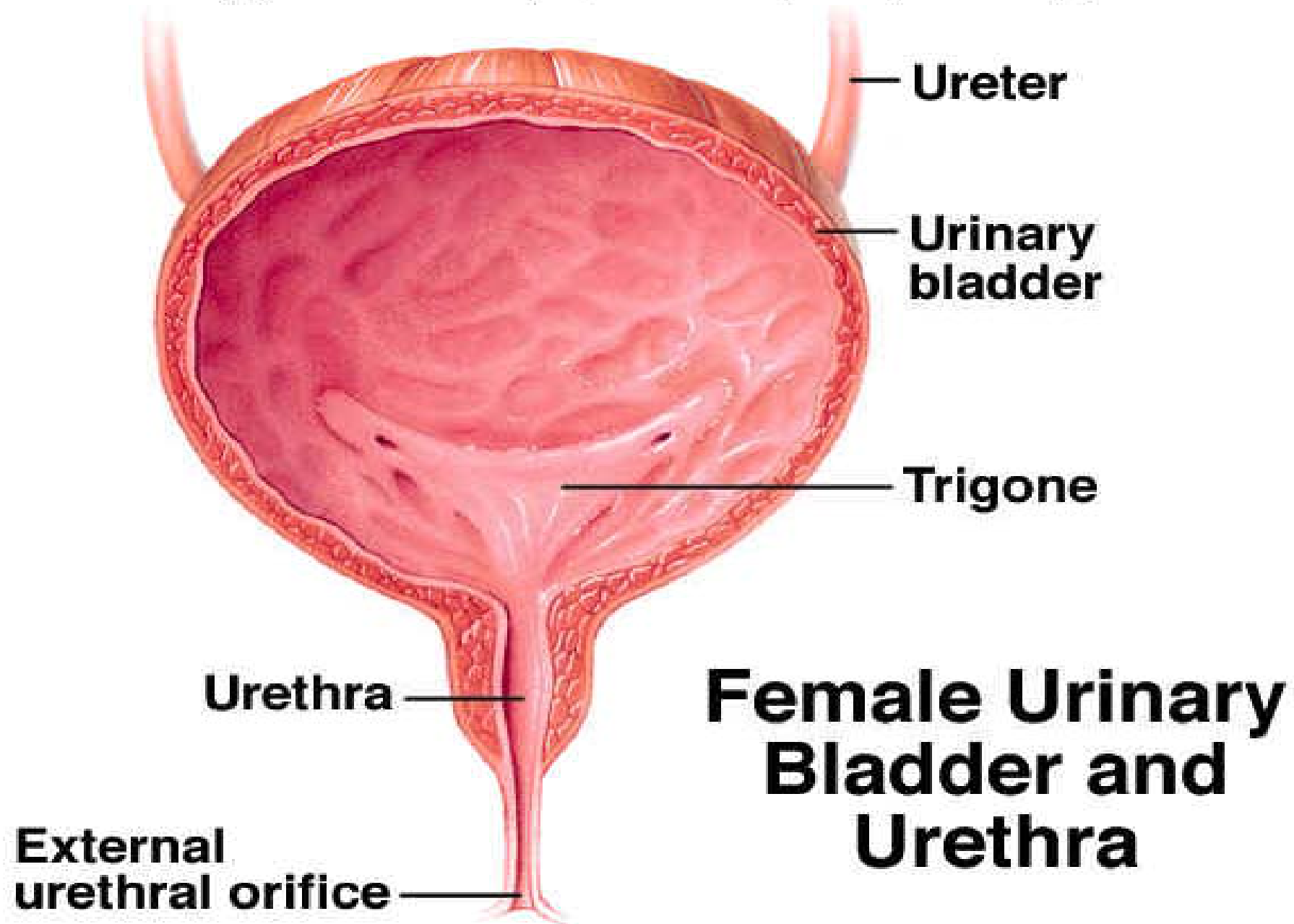
Urethral  
glands

Muscle  
layer

Lumen of  
urethra

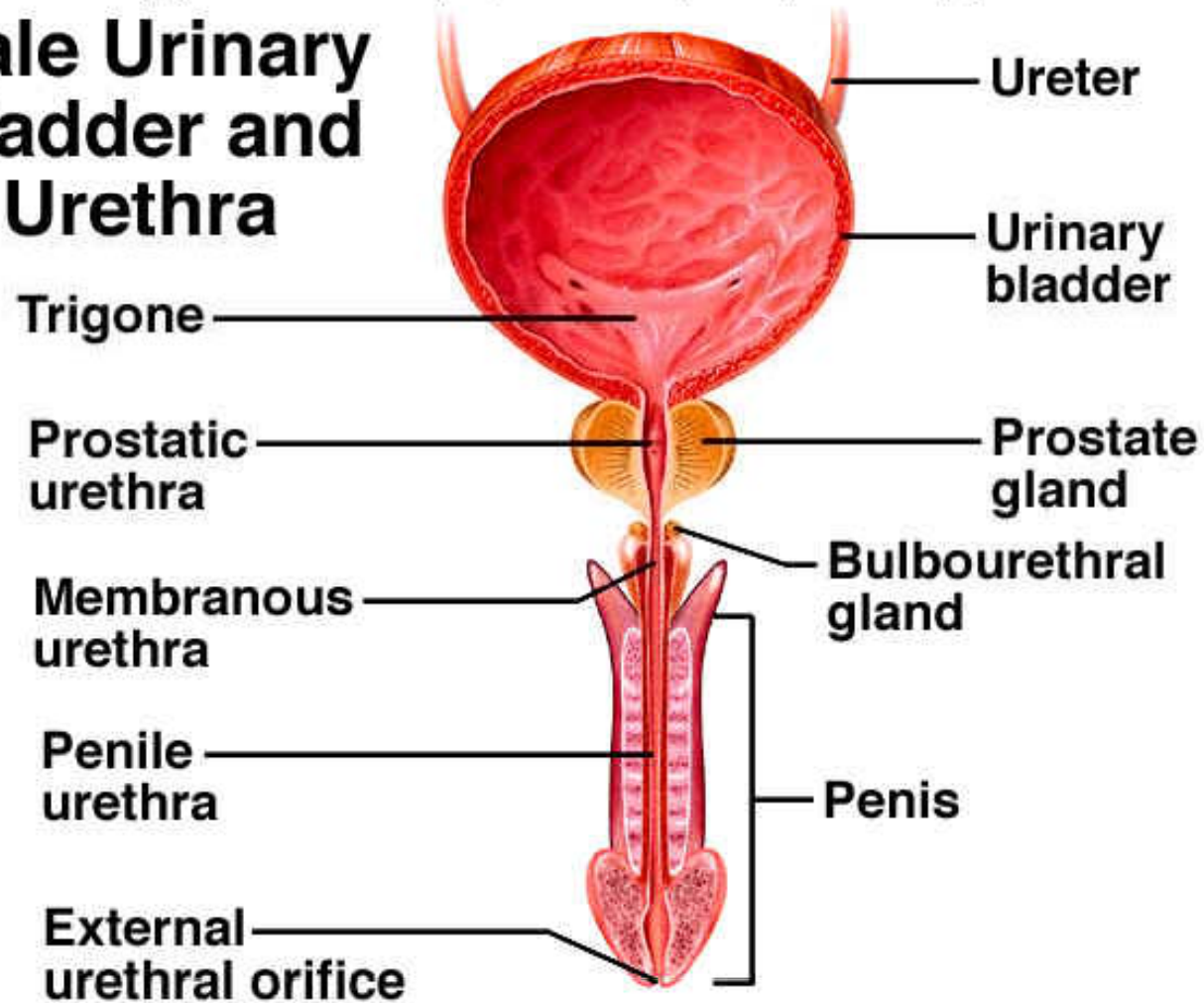
Mucous  
membrane

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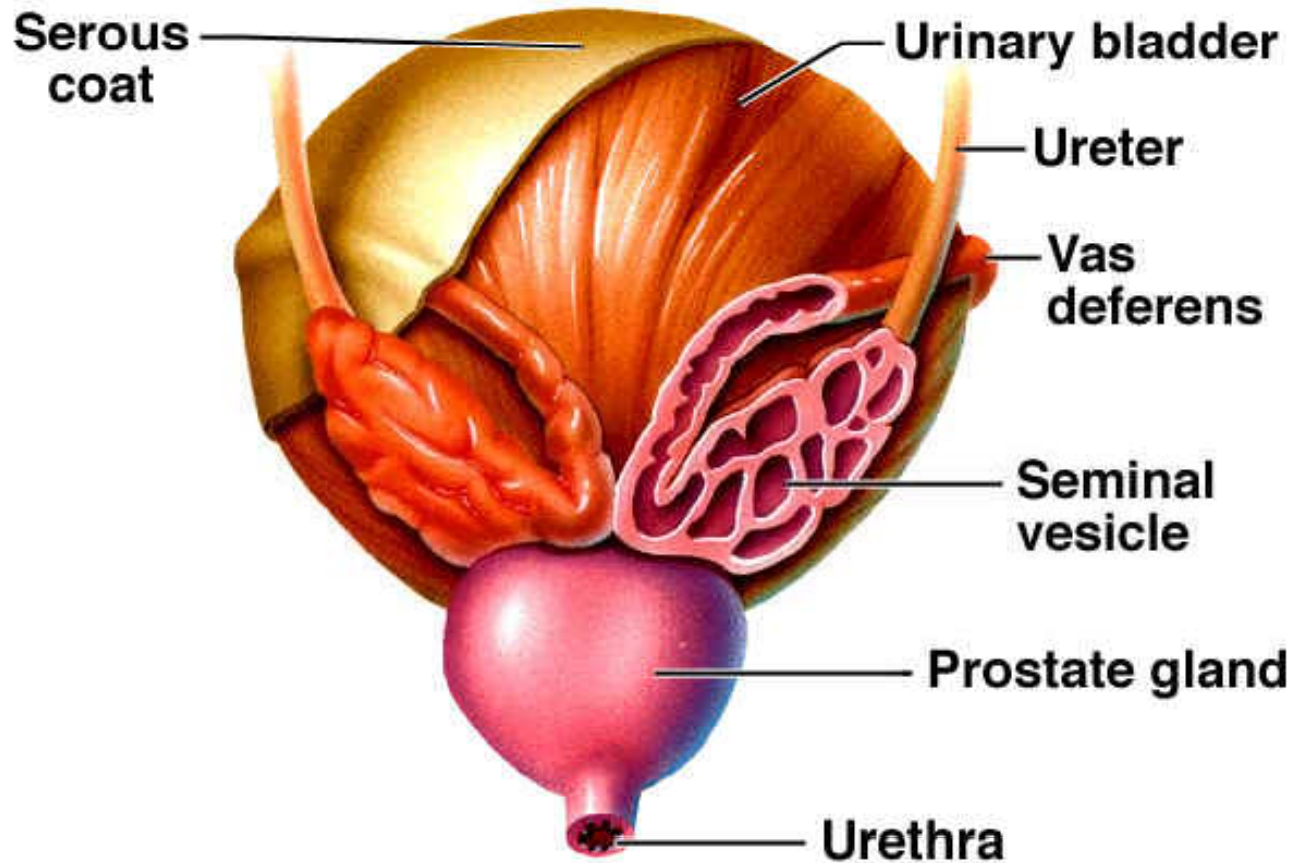
# Male Urinary Bladder and Urethra

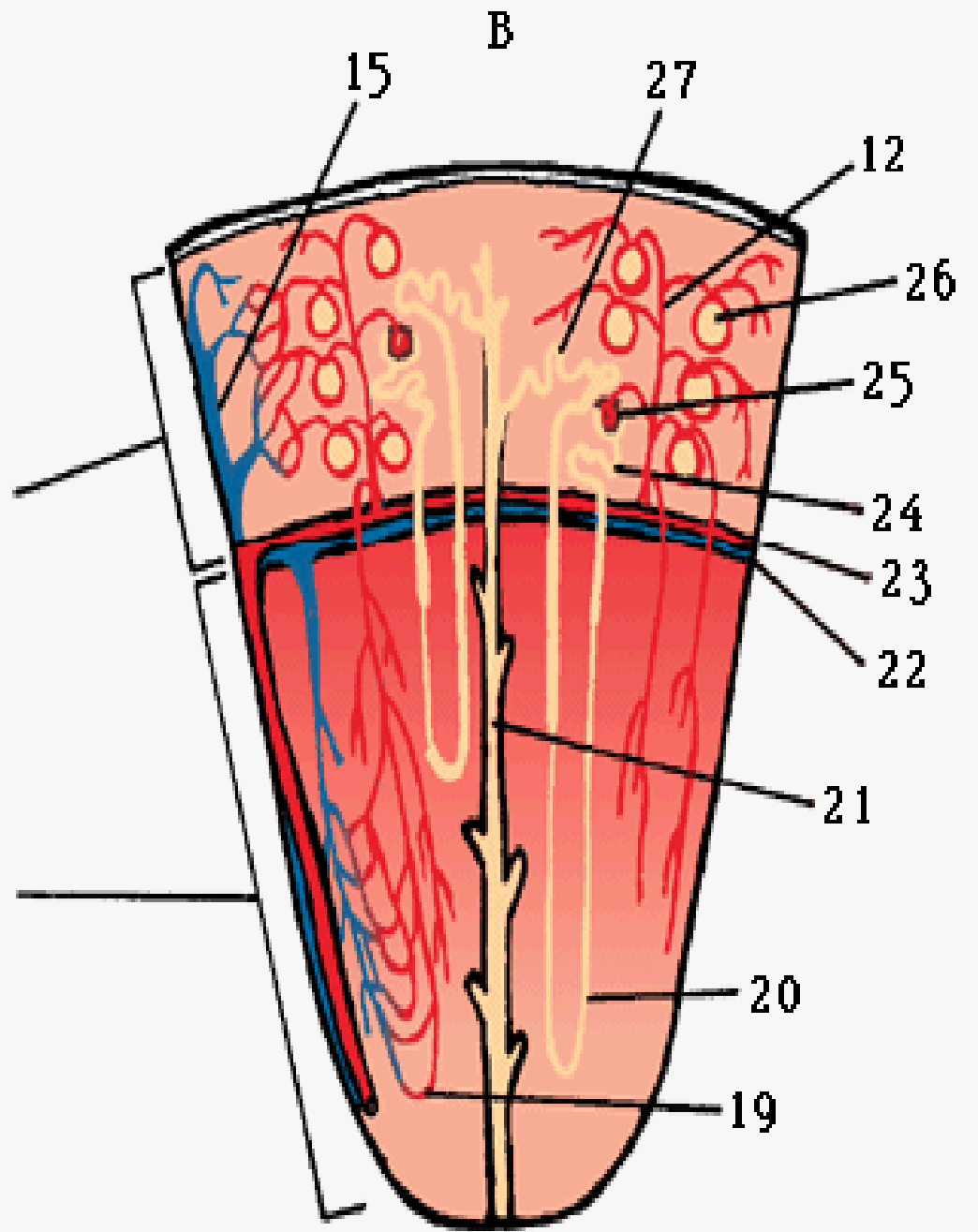
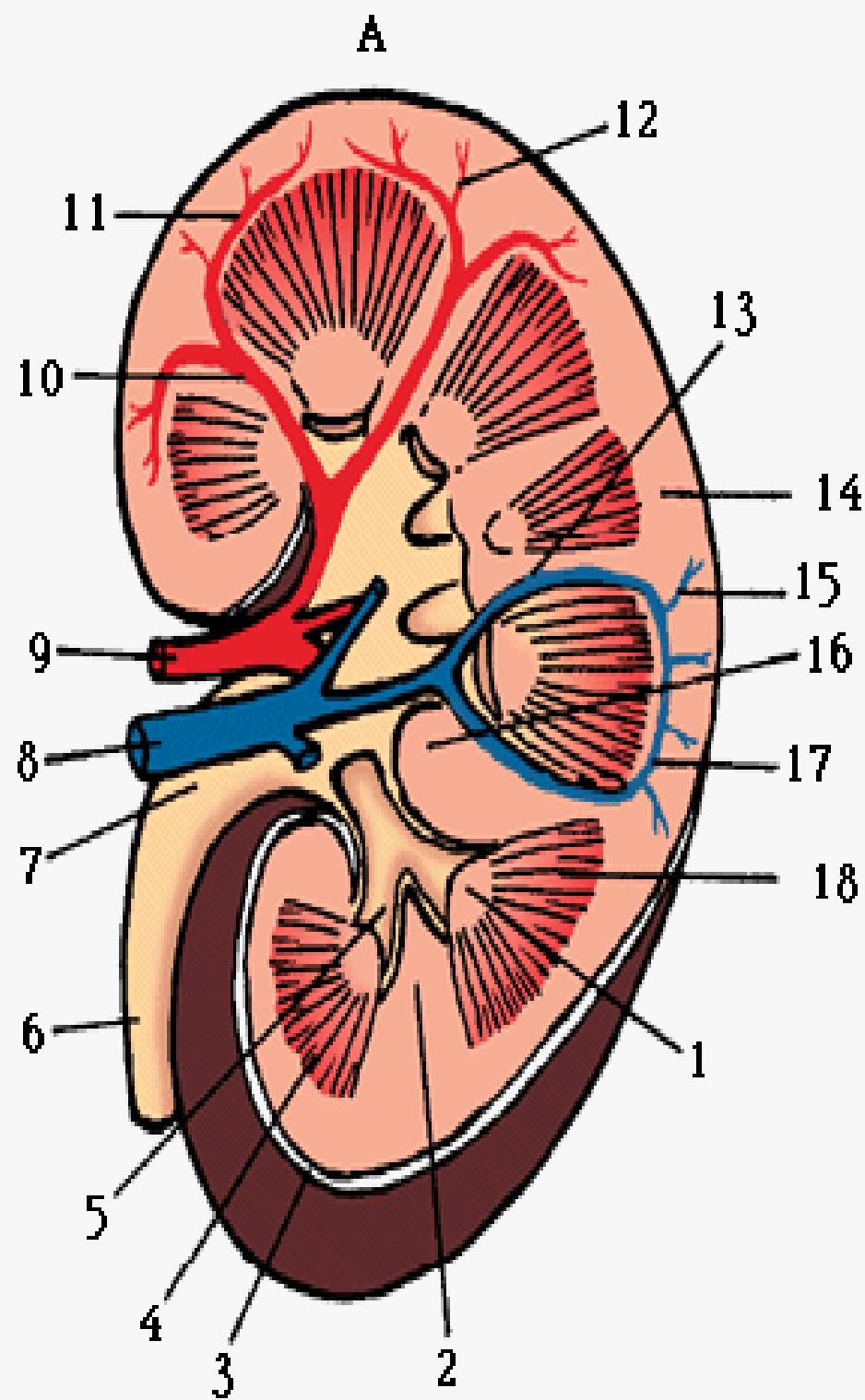




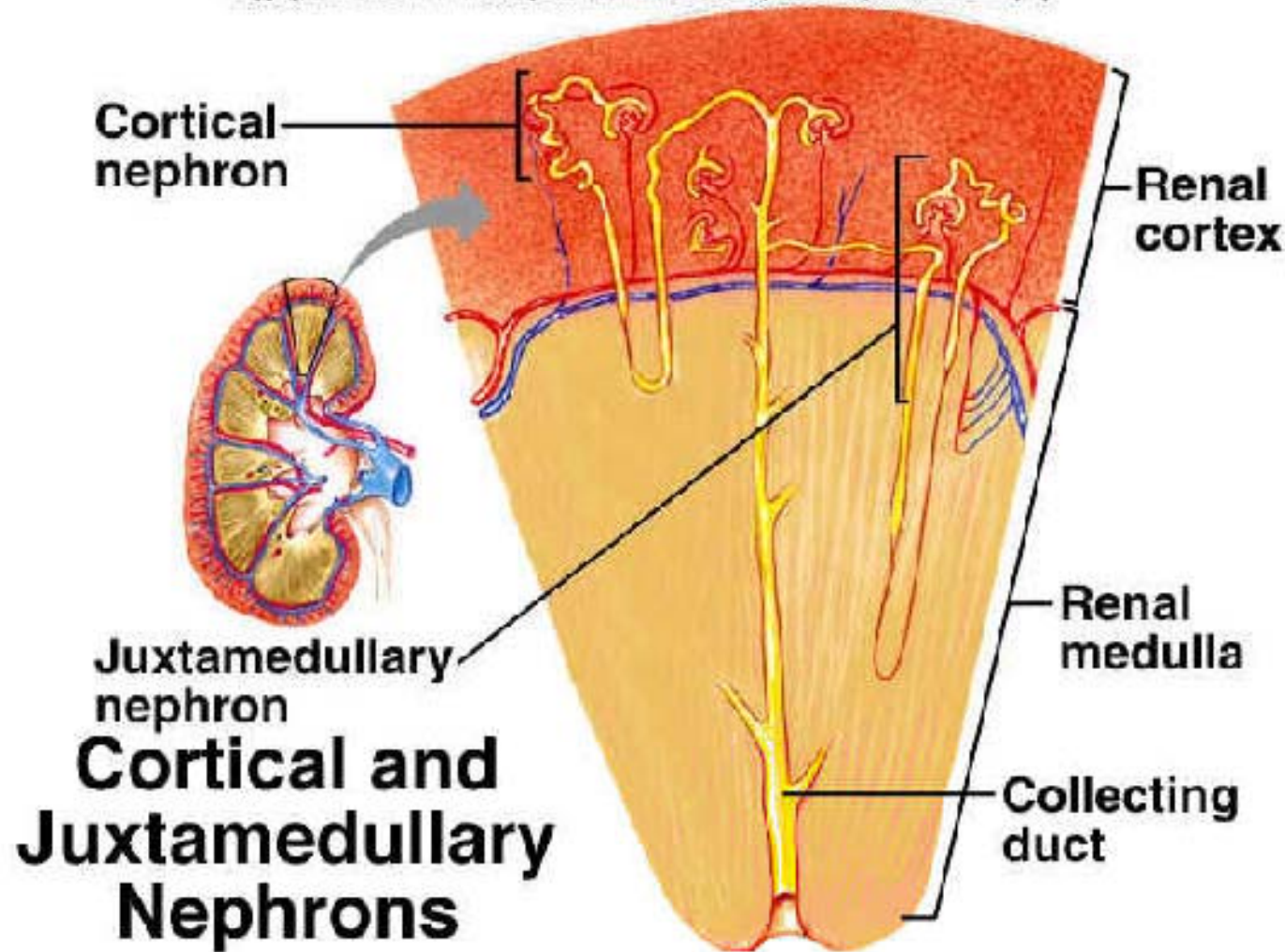
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## Male Urinary Bladder—Posterior View



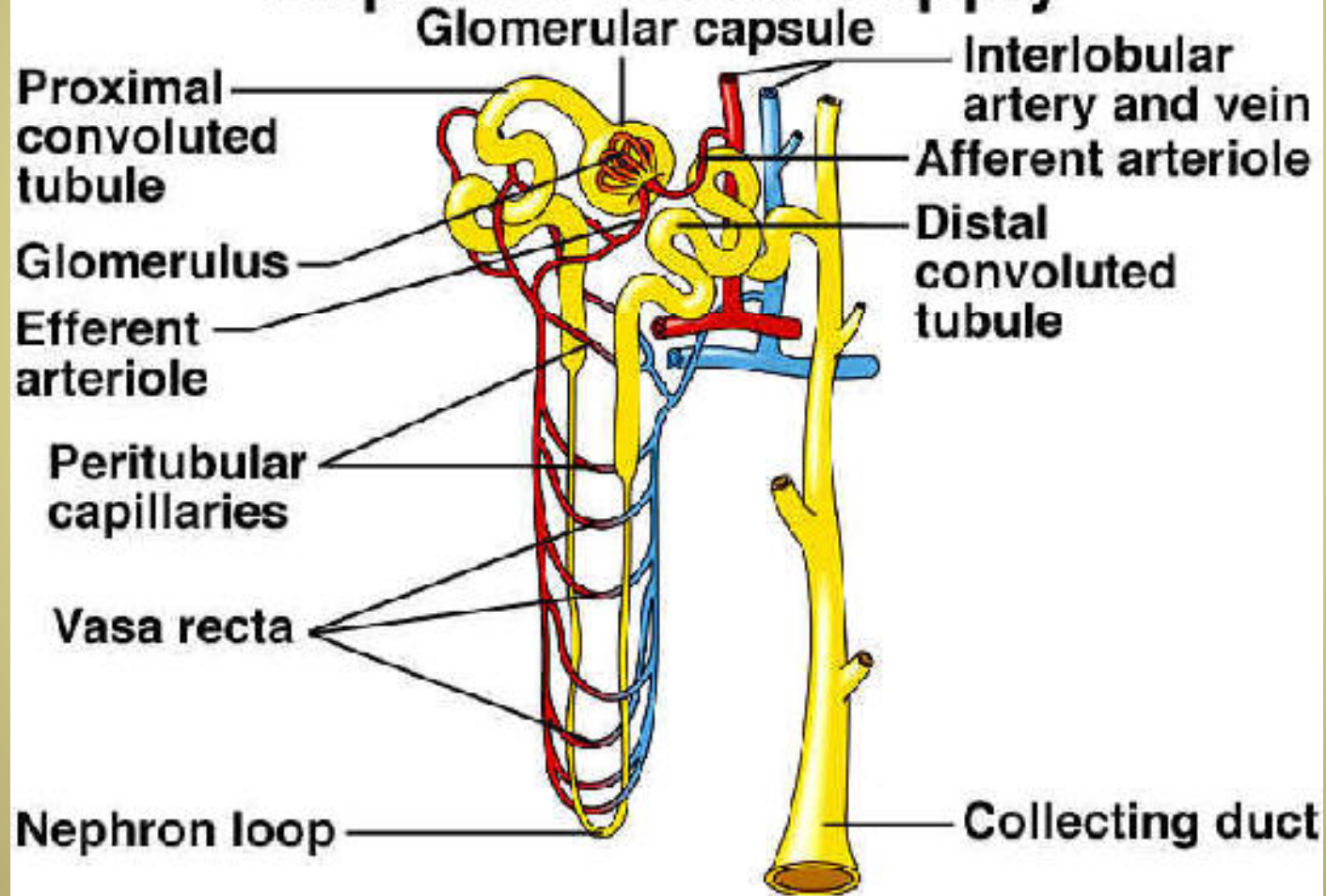


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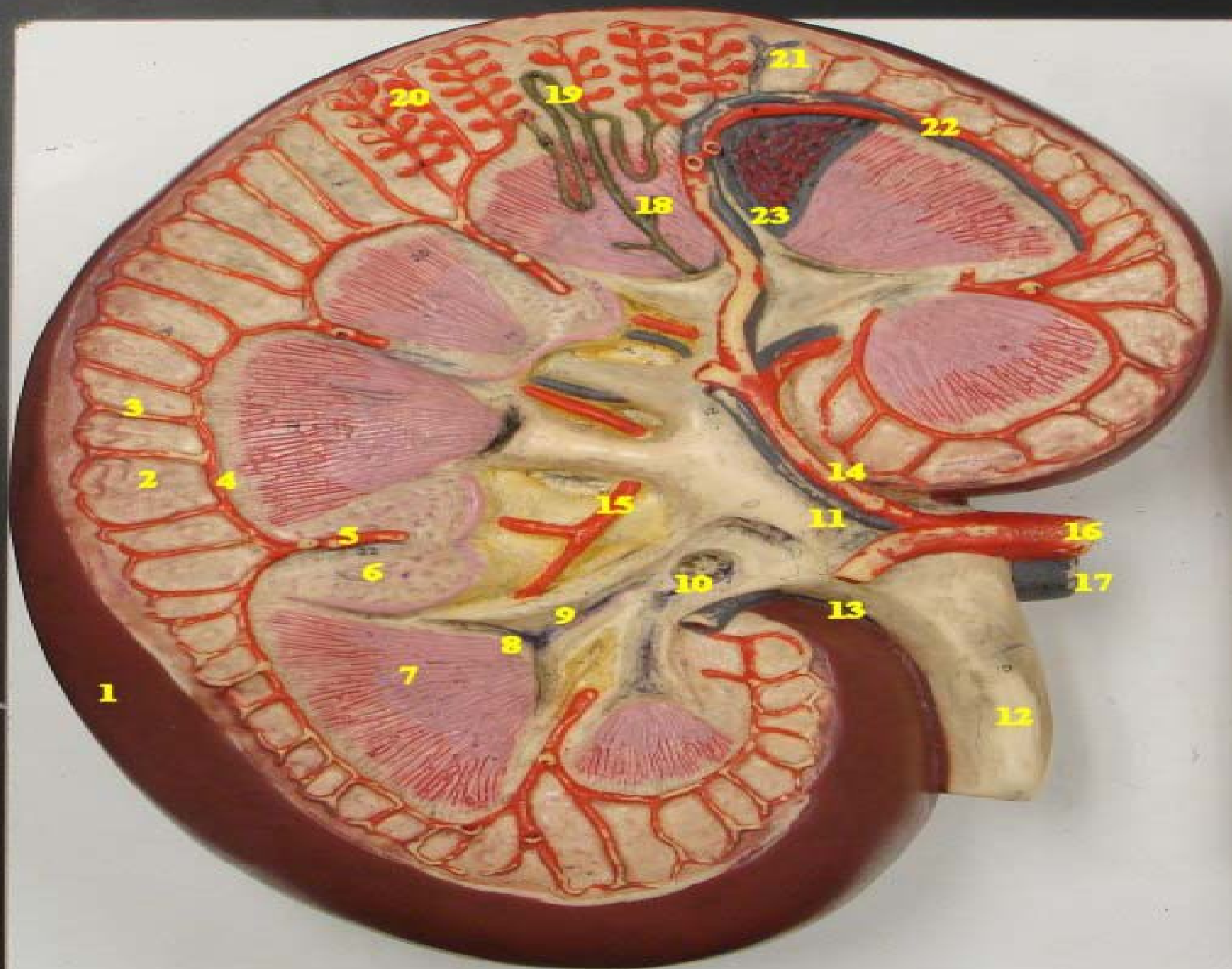


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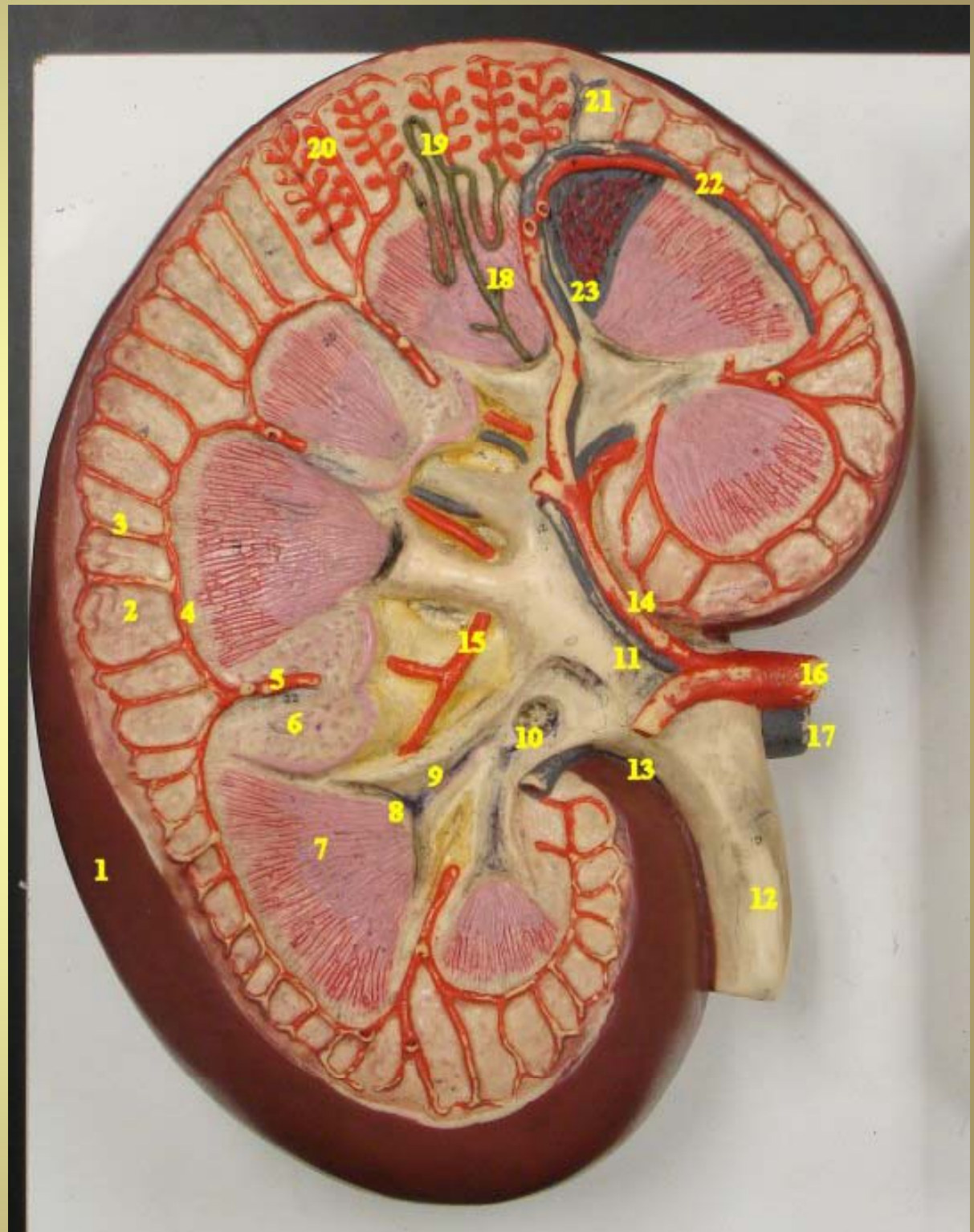
## Nephron Blood Supply



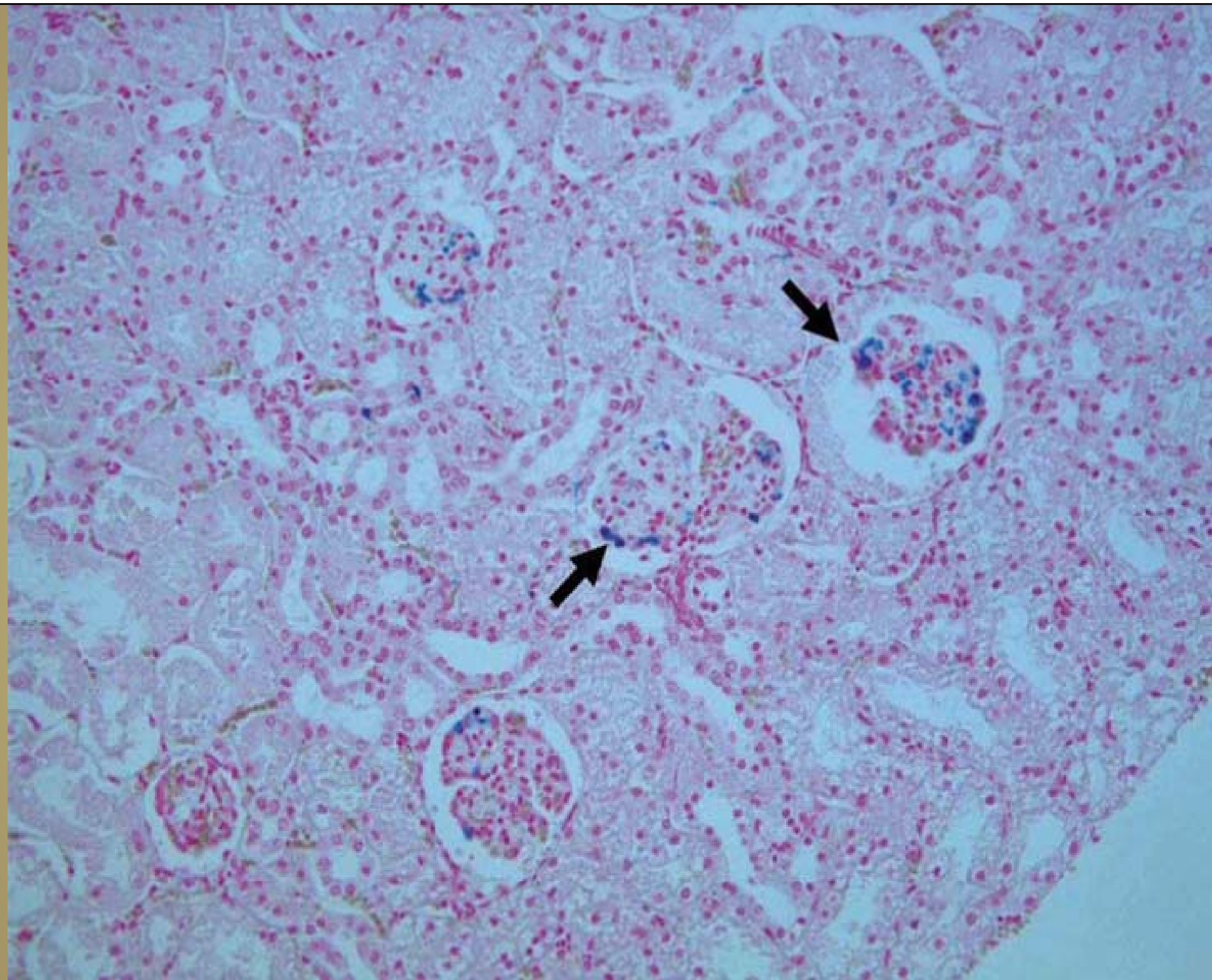


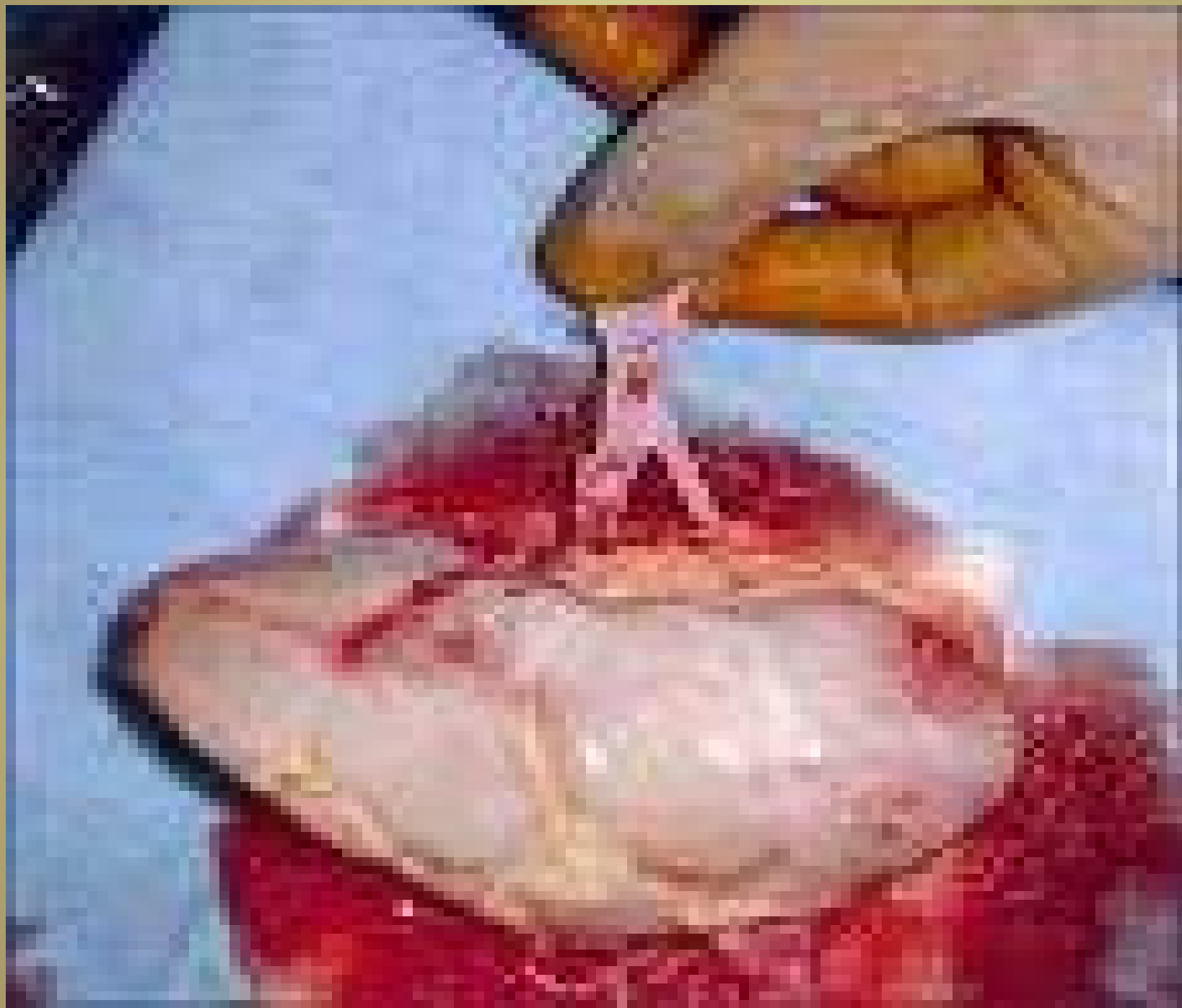


- 1 Fibrous capsule
- 2 Renal cortex
- 3 Cortical radiate artery
- 4 Arcuate artery
- 5 Interlobar artery
- 6 Renal column
- 7 Renal pyramid
- 8 Renal papilla
- 9 Minor calyx
- 10 Major calyx
- 11 Renal pelvis
- 12 Ureter
- 13 Renal hilum
- 14 Segmental artery
- 15 Lobar artery
- 16 Renal artery
- 17 Renal vein
- 18 Collecting duct
- 19 Nephron
- 20 Glomerulus
- 21 Cortical radiate vein
- 22 Arcuate vein
- 23 Interlobar vein







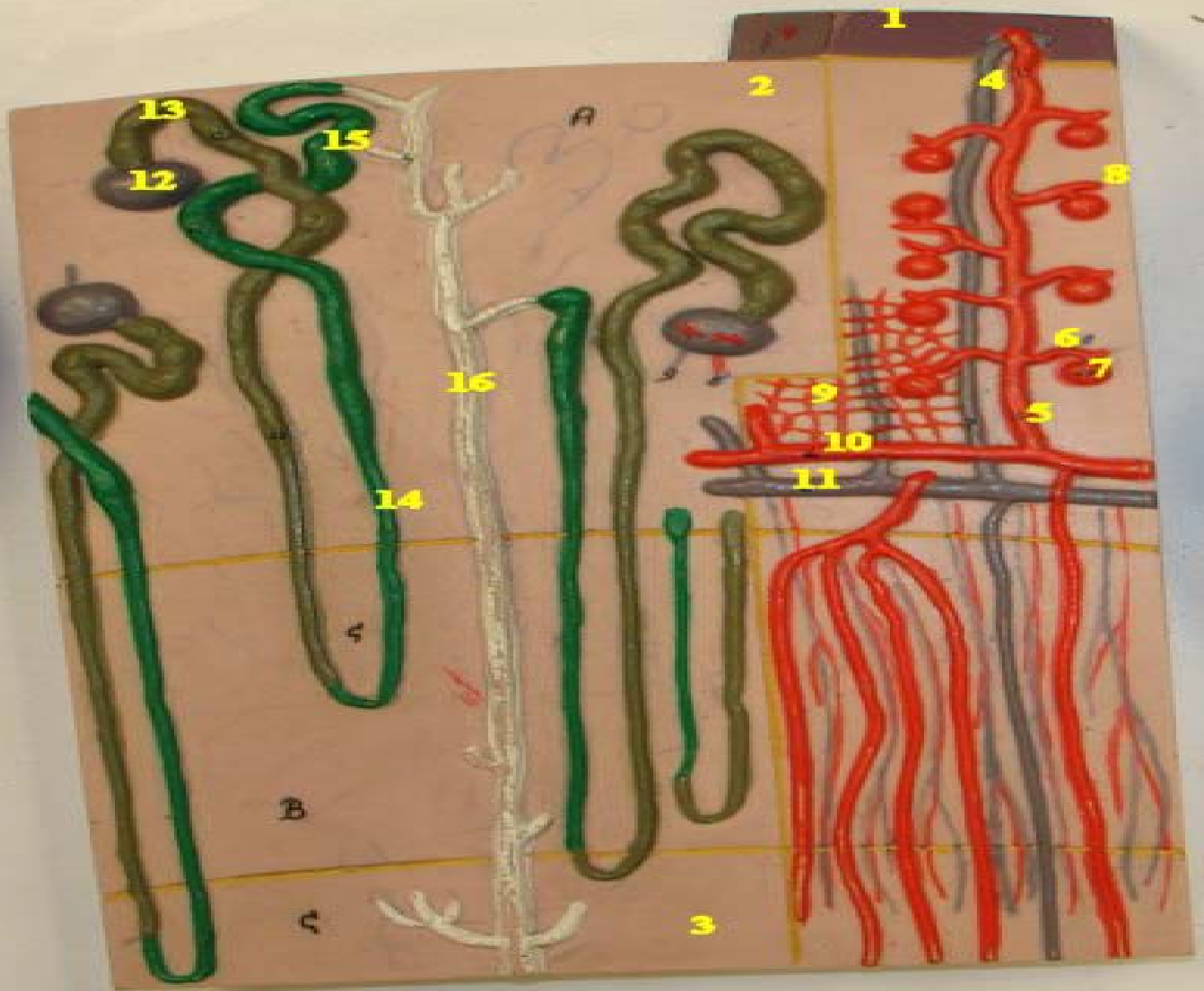






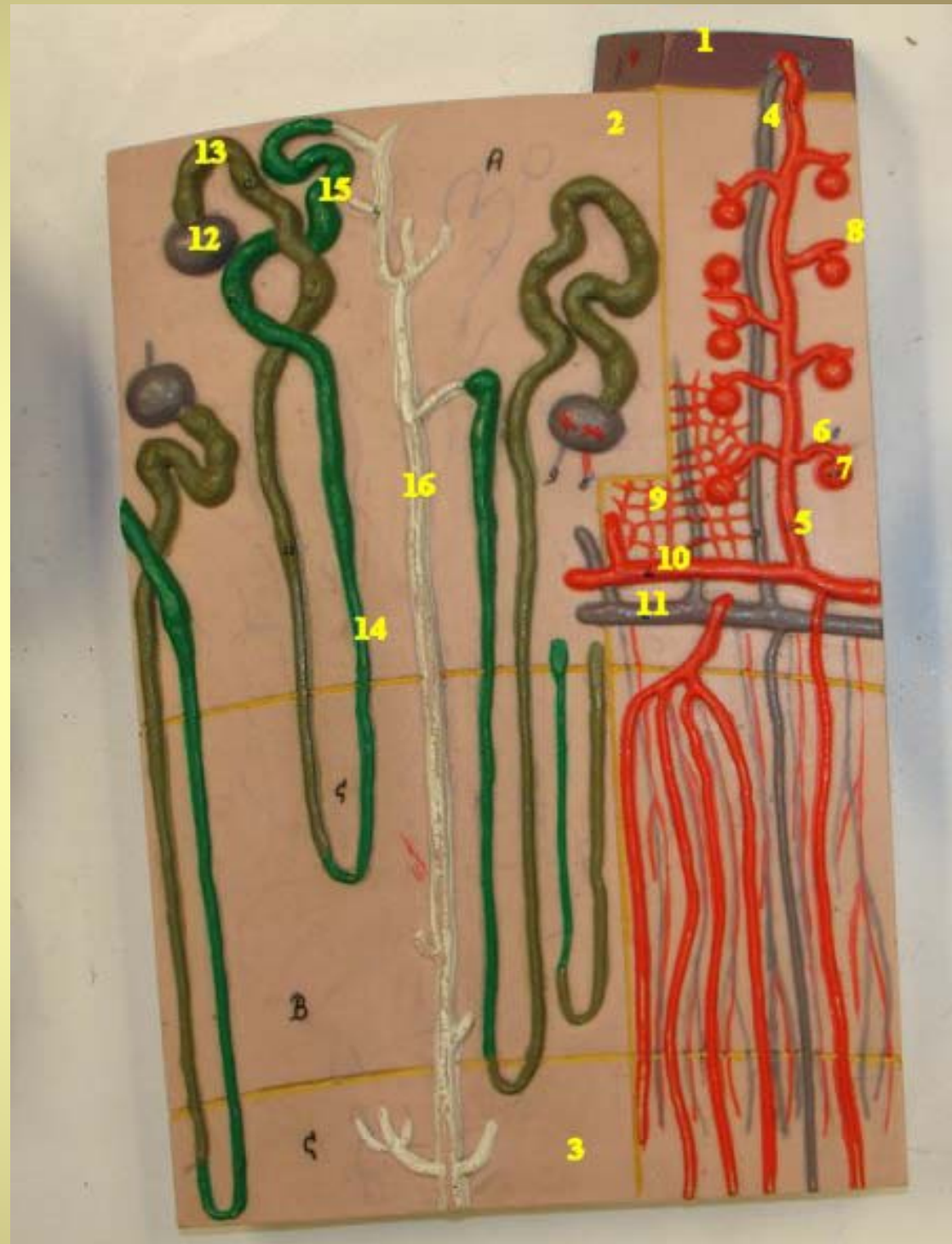
- 1 Afferent arteriole
- 2 Efferent arteriole
- 3 Glomerular capillary
- 4 Parietal Bowman's capsule
- 5 Podocyte (visceral Bowman's capsule)
- 6 Proximal convoluted tubule





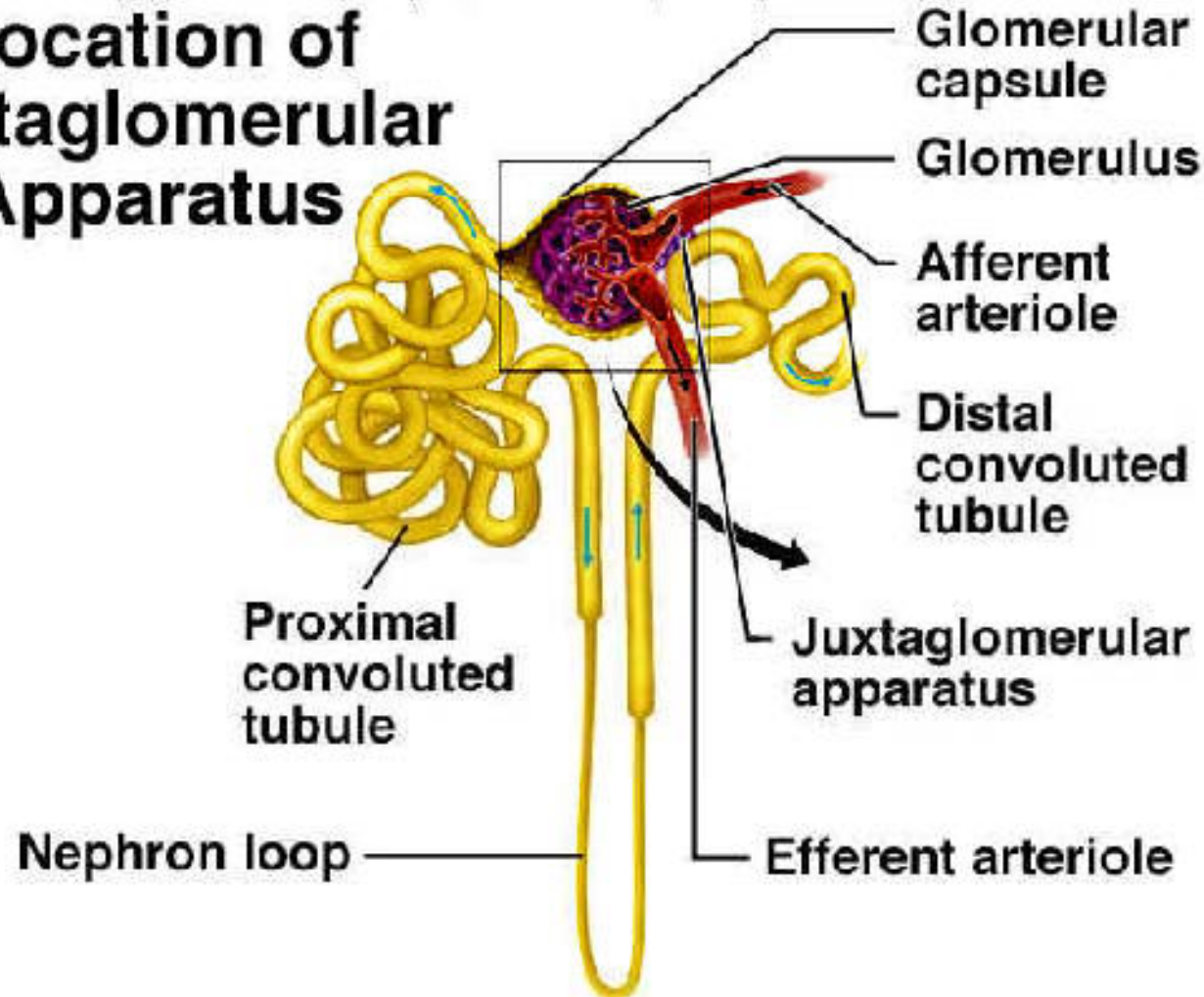


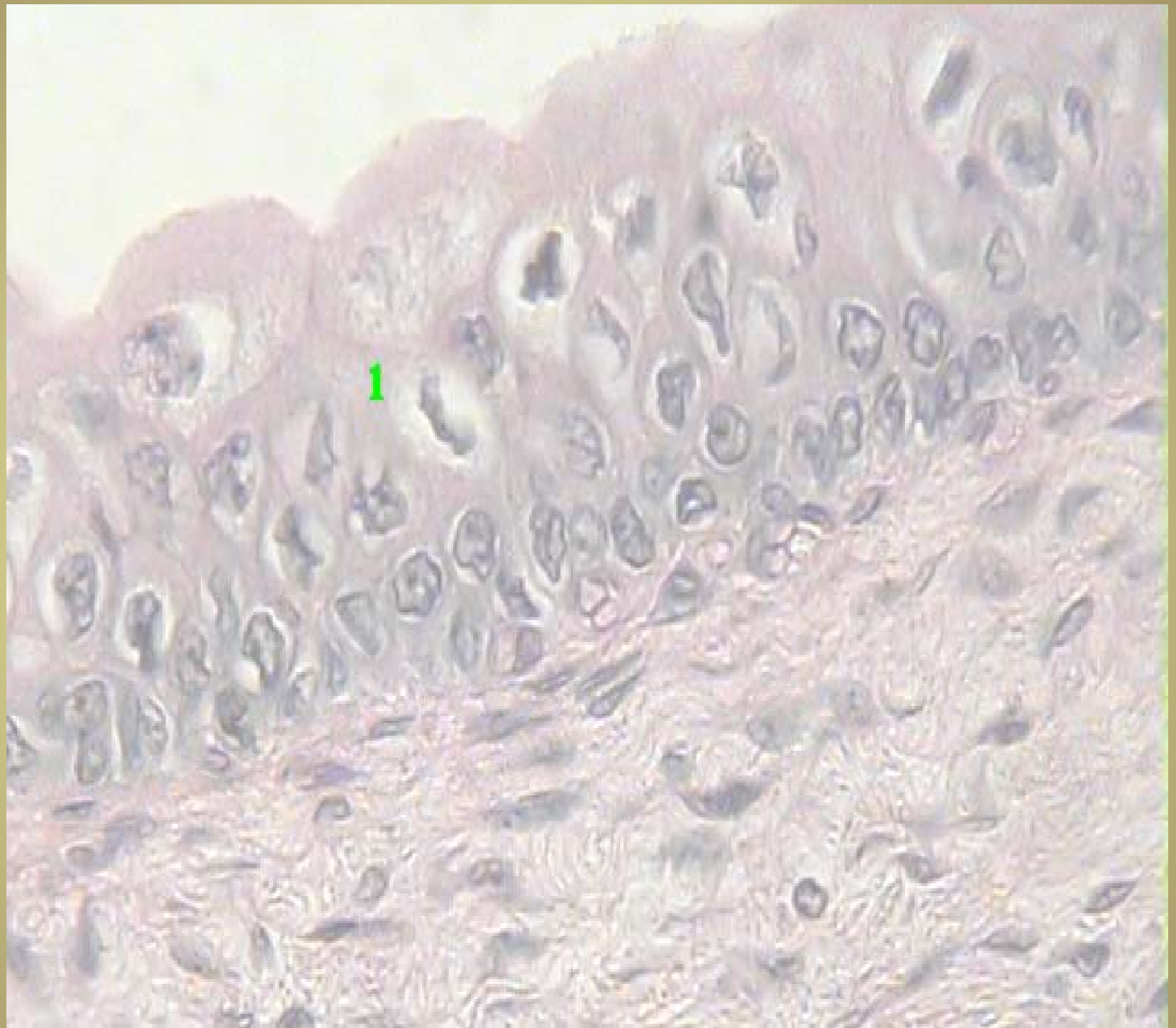
1. Fibrous capsule
2. Renal cortex
3. Renal medulla
4. Cortical radiate vein
5. Cortical radiate artery
6. Afferent arteriole
7. Glomerulus
8. Efferent arteriole
9. Peritubular capillaries
10. Arcuate artery
11. Arcuate vein
12. Bowman's capsule
13. Proximal convoluted tubule
14. Loop of Henle
15. Distal convoluted tubule
16. Collecting duct



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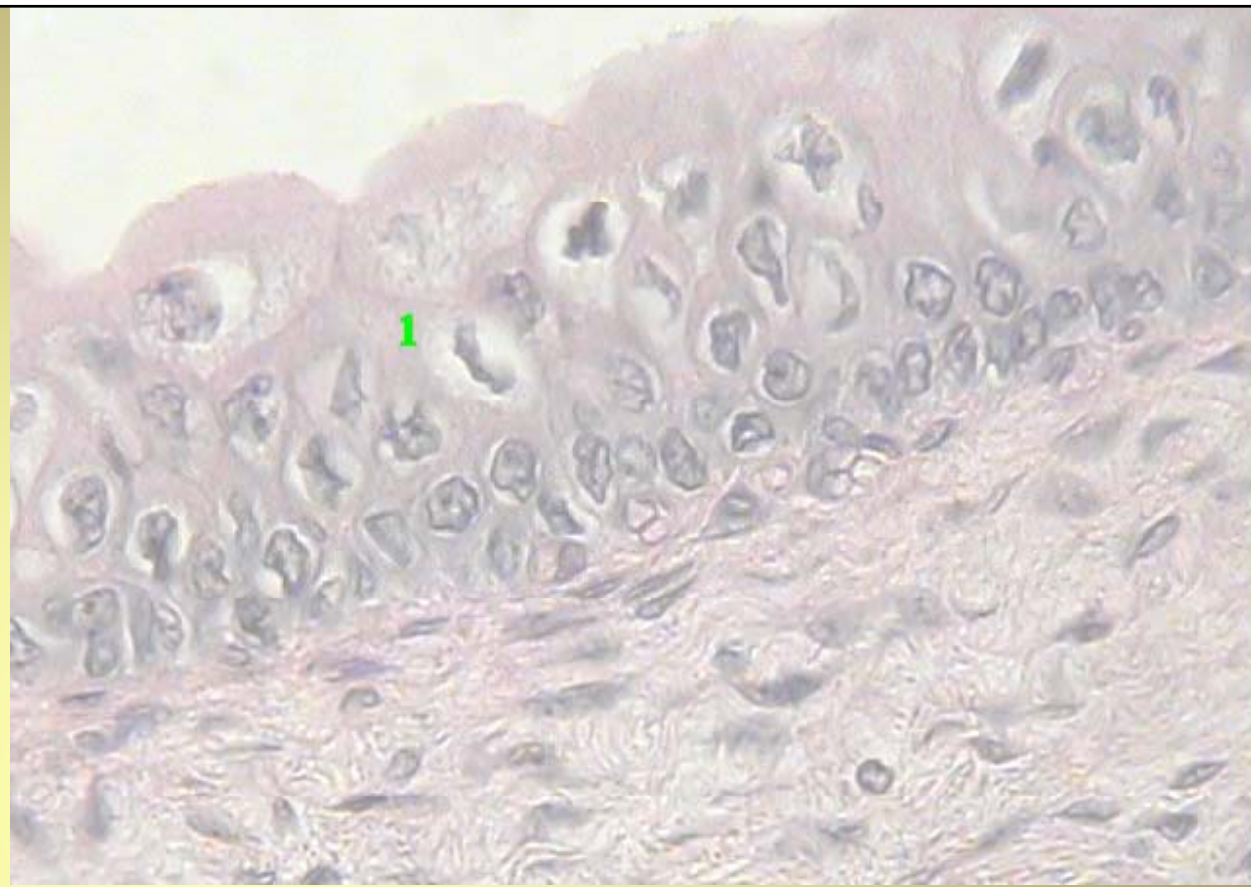
## Location of Juxtaglomerular Apparatus





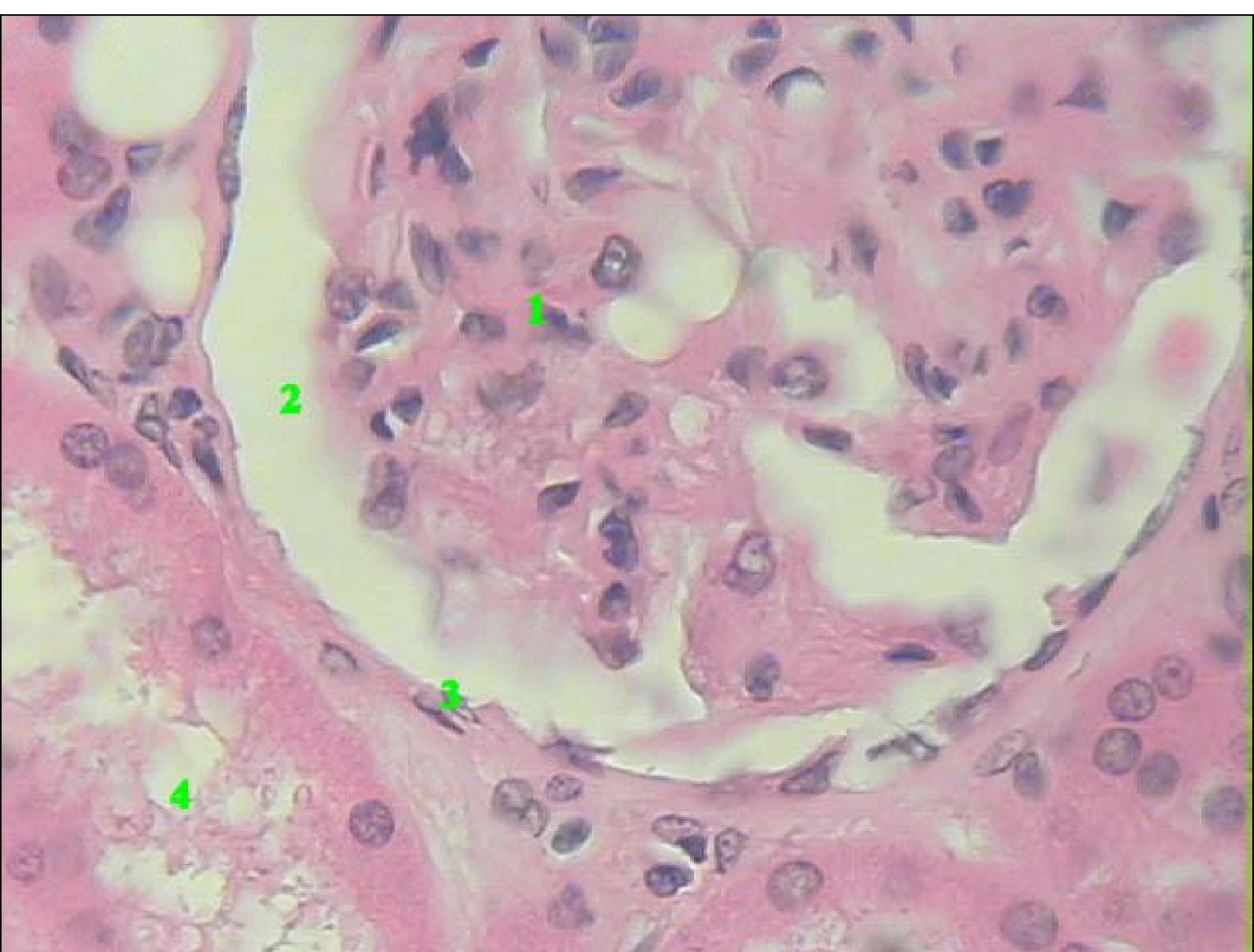


# Urinary bladder



1 transitional  
epithelium

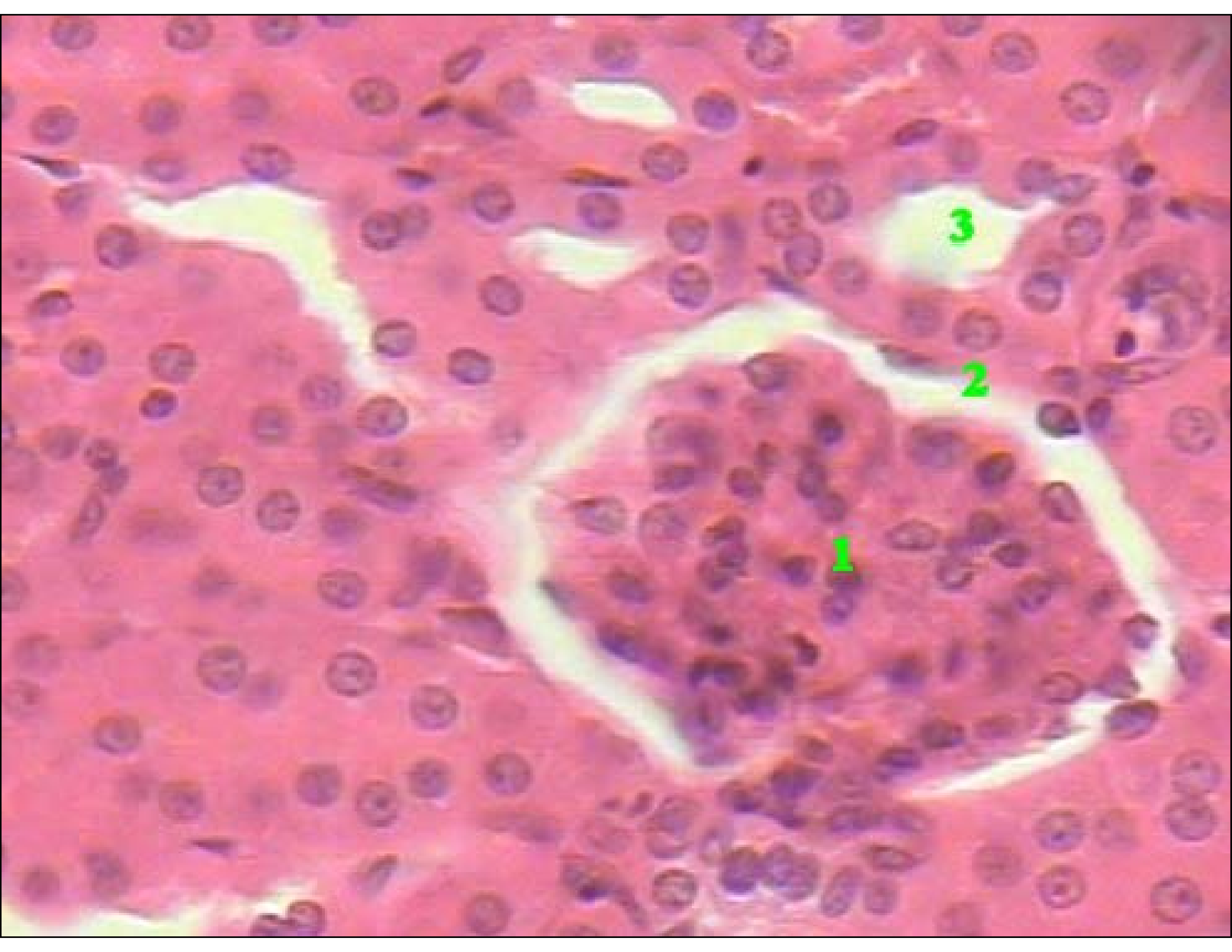




# Renal corpuscle

- 1 Renal corpuscle
- 2 Lumen of Bowman's capsule
- 3 Parietal layer of Bowman's capsule
- 4 Renal tubule

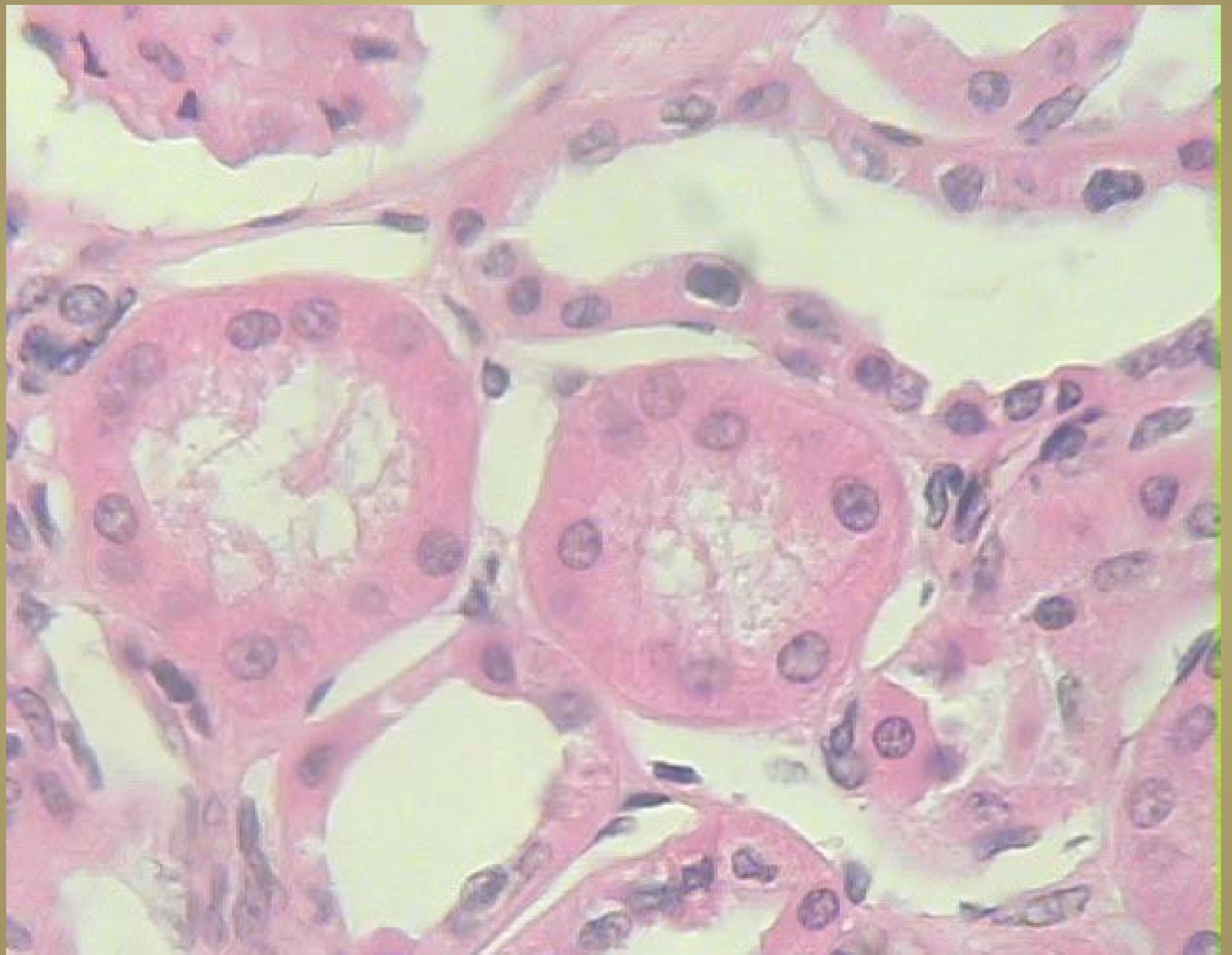




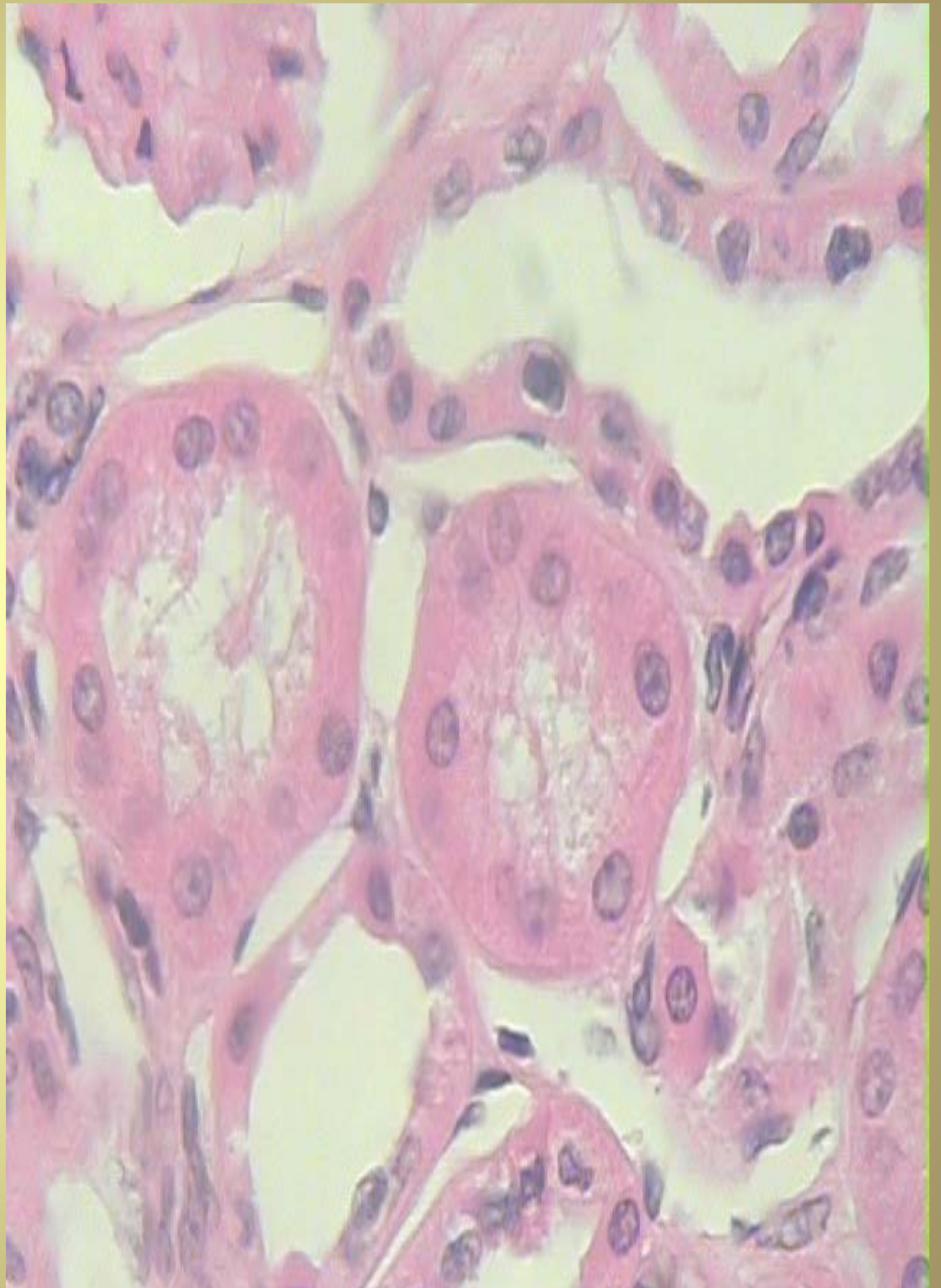


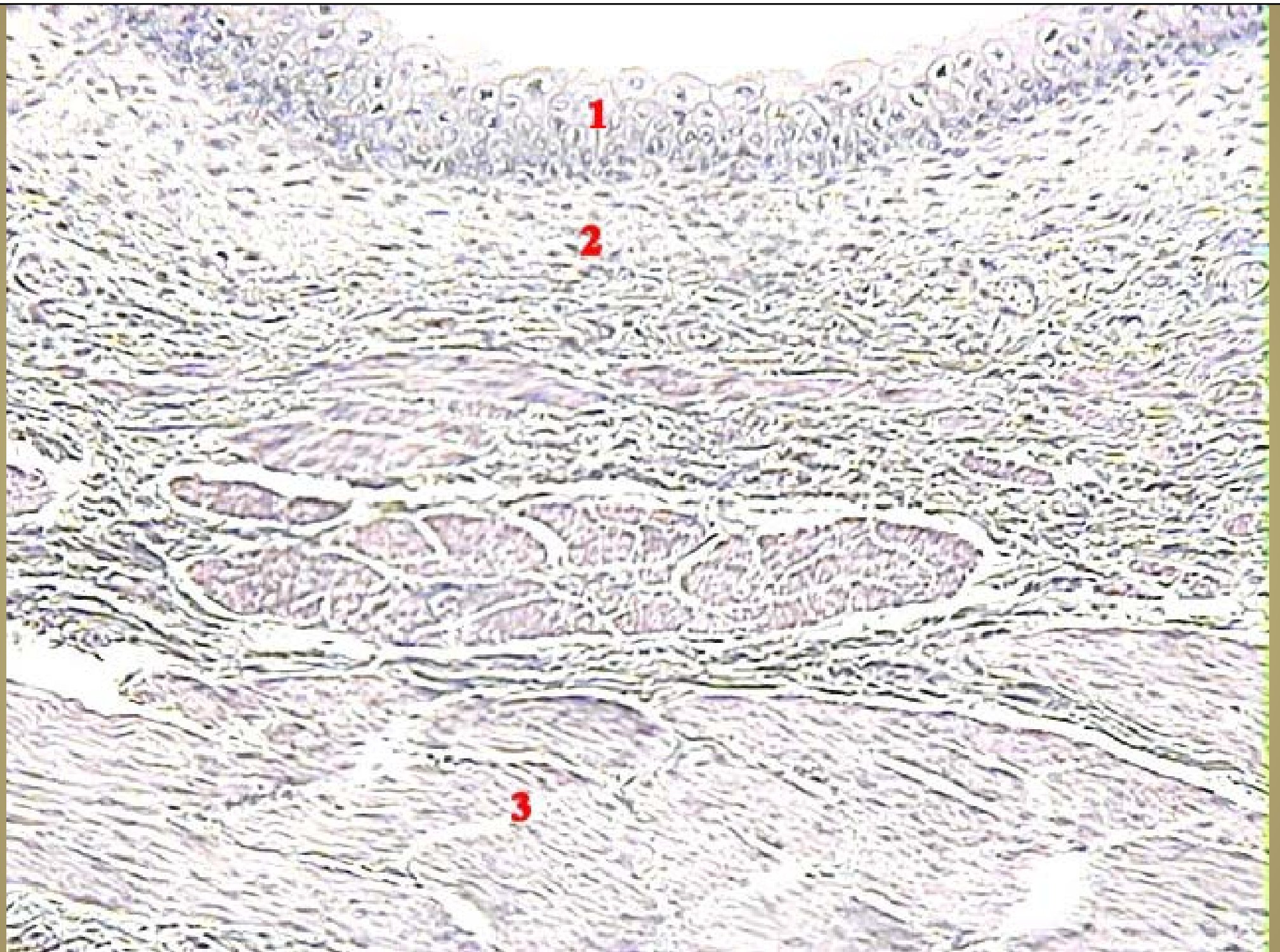
- 1 Renal corpuscle
- 2 Parietal layer of Bowman's \
- 3 capsule
- 4 Renal tubule





# Renal tubule



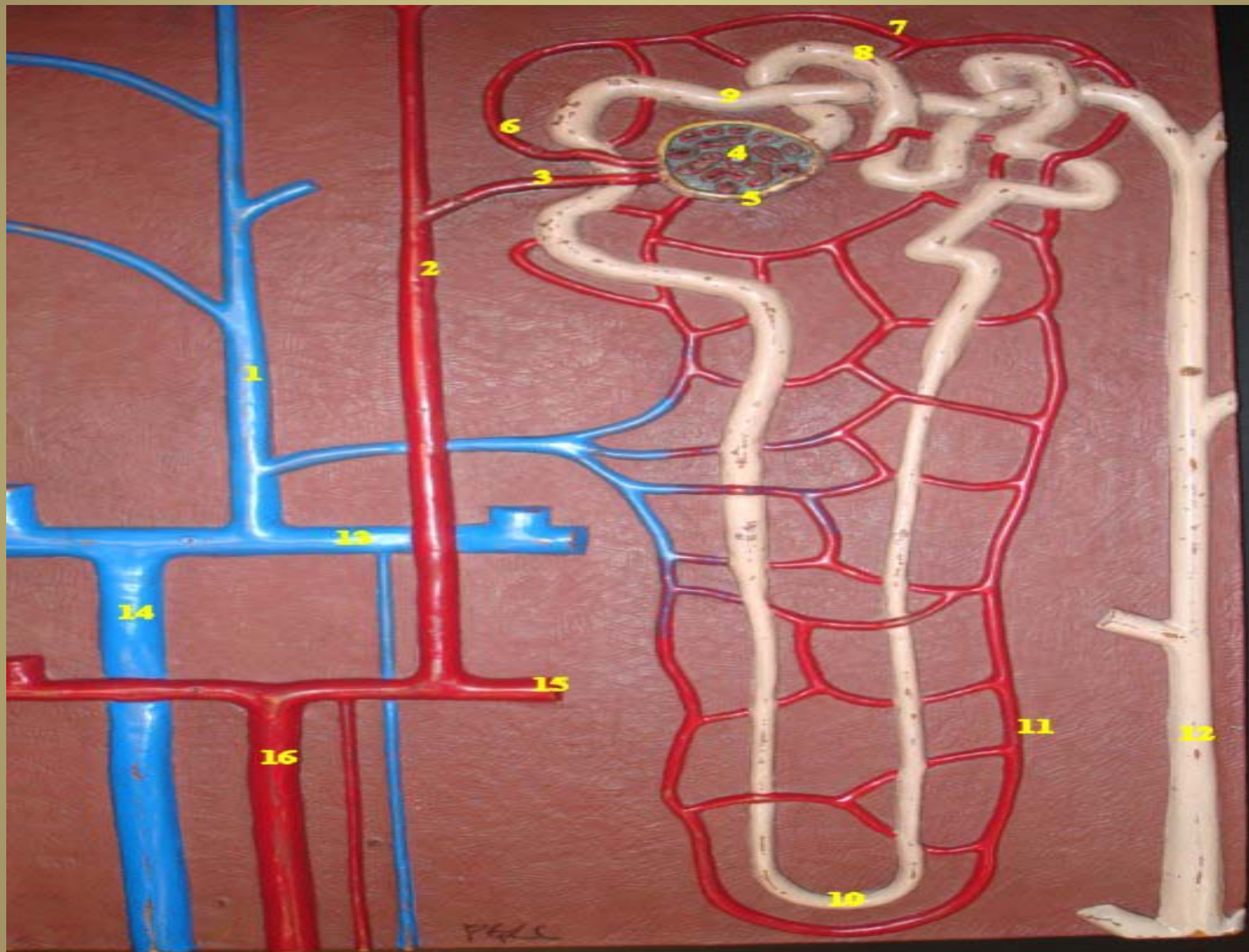




1. Transitional epithelium (mucosa)
2. Submucosa
3. Detrusor muscle (muscularis)

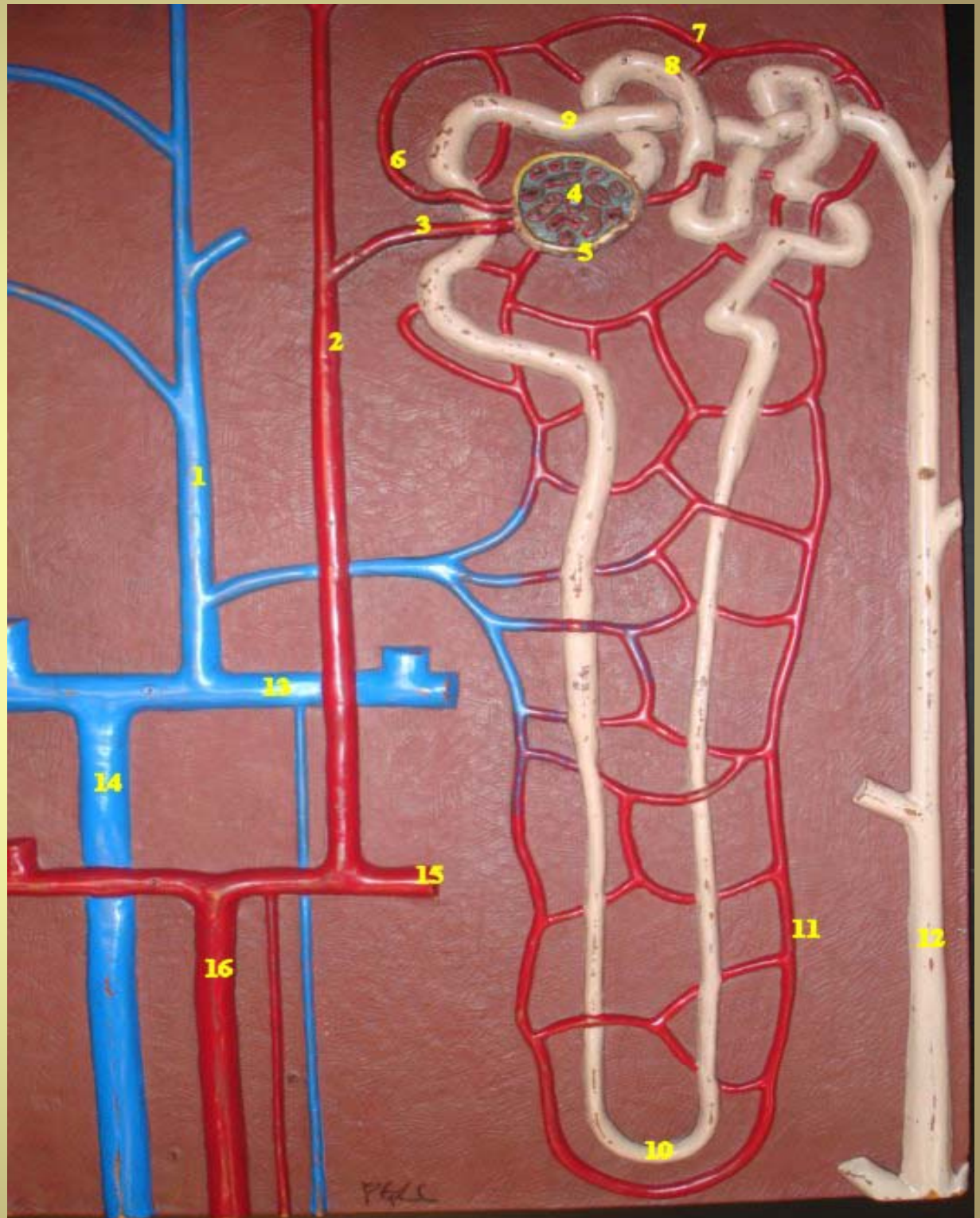


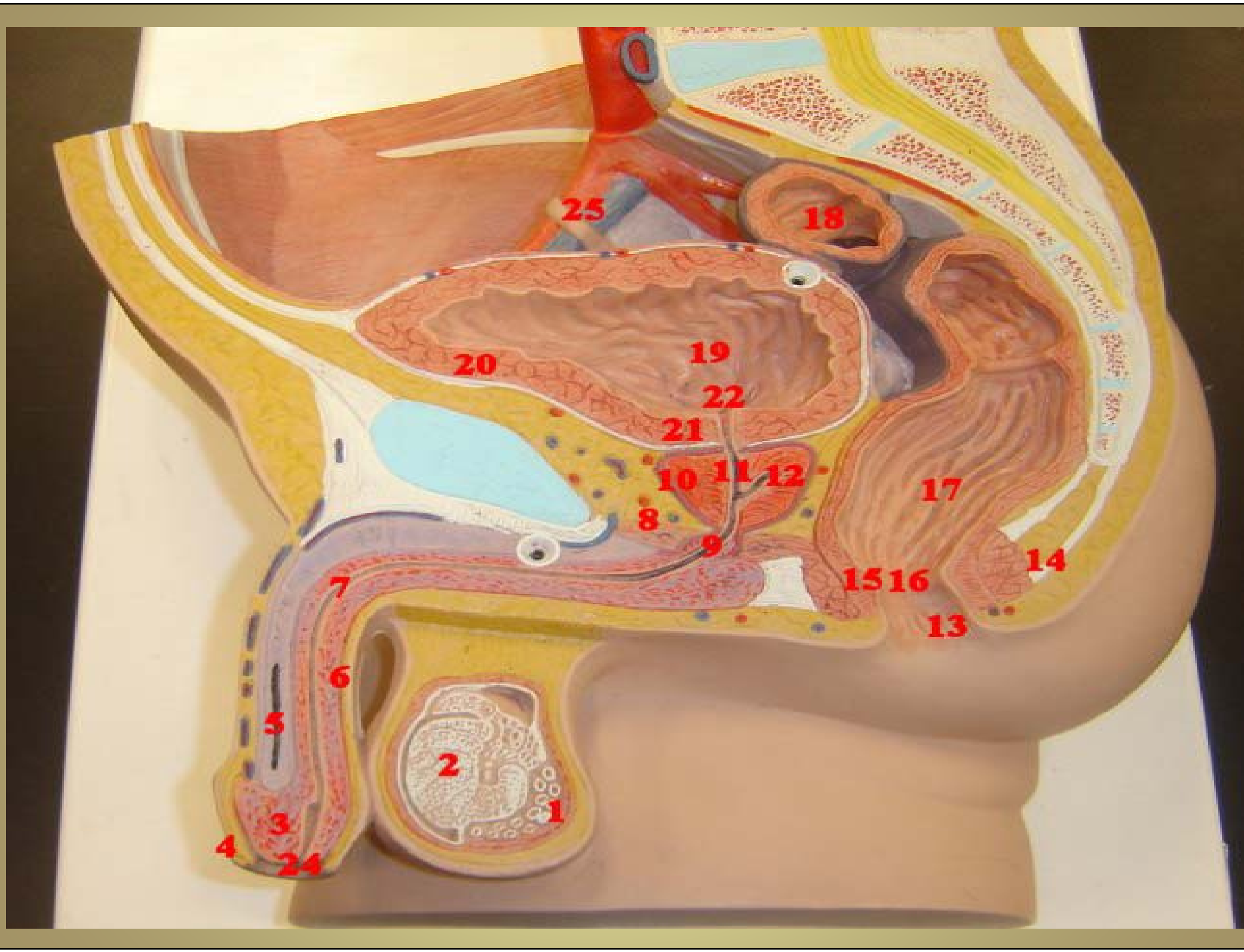






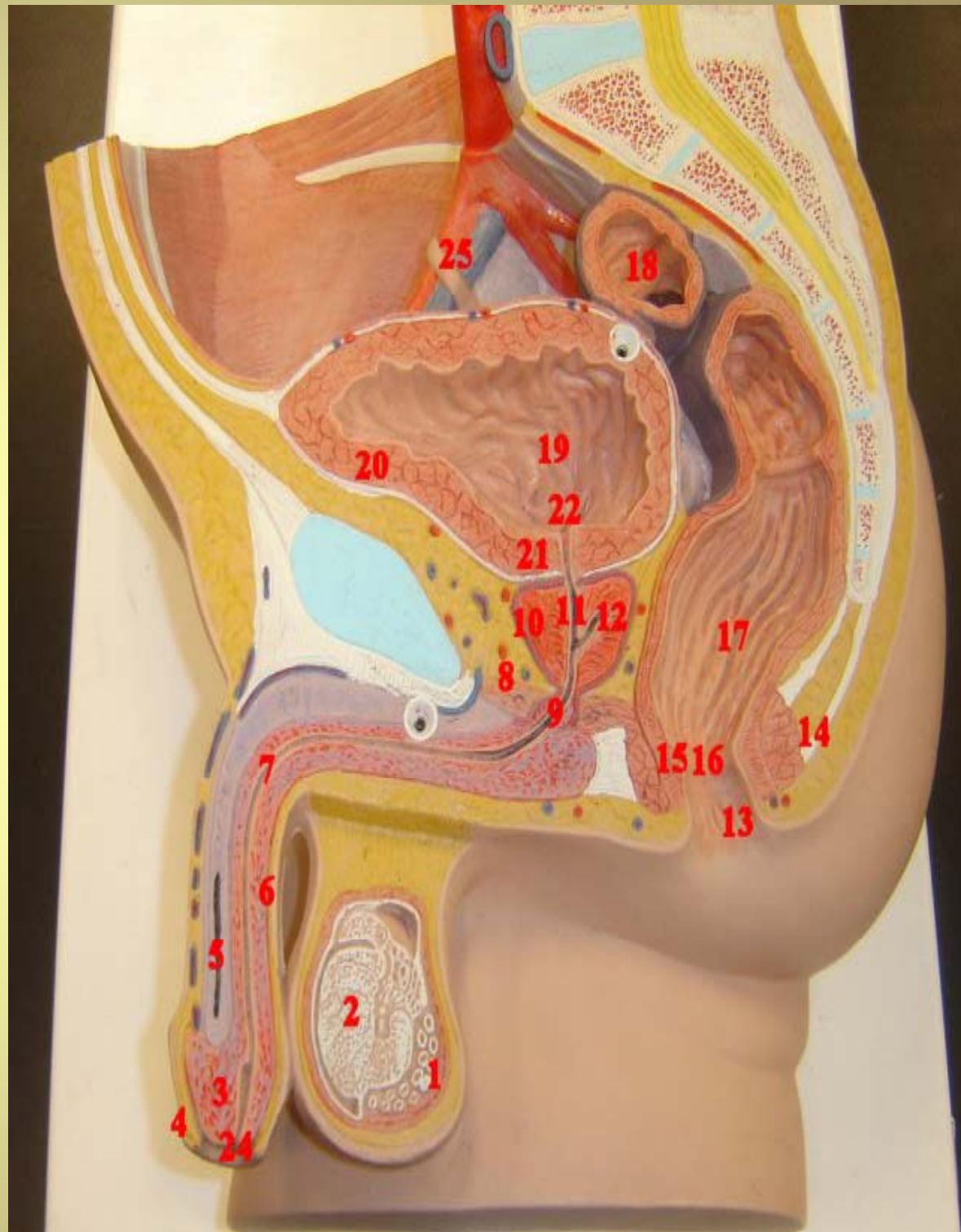
1. Cortical radiate vein
2. Cortical radiate artery
3. Afferent arteriole
4. Glomerulus
5. Parietal Bowman's capsule
6. Efferent arteriole
7. Peritubular capillary
8. Proximal convoluted tubule
9. Distal convoluted tubule
10. Loop of Henle
11. Vasa recta
12. Collecting duct
13. Arcuate vein
14. Interlobar vein
15. Arcuate artery
16. Interlobar artery

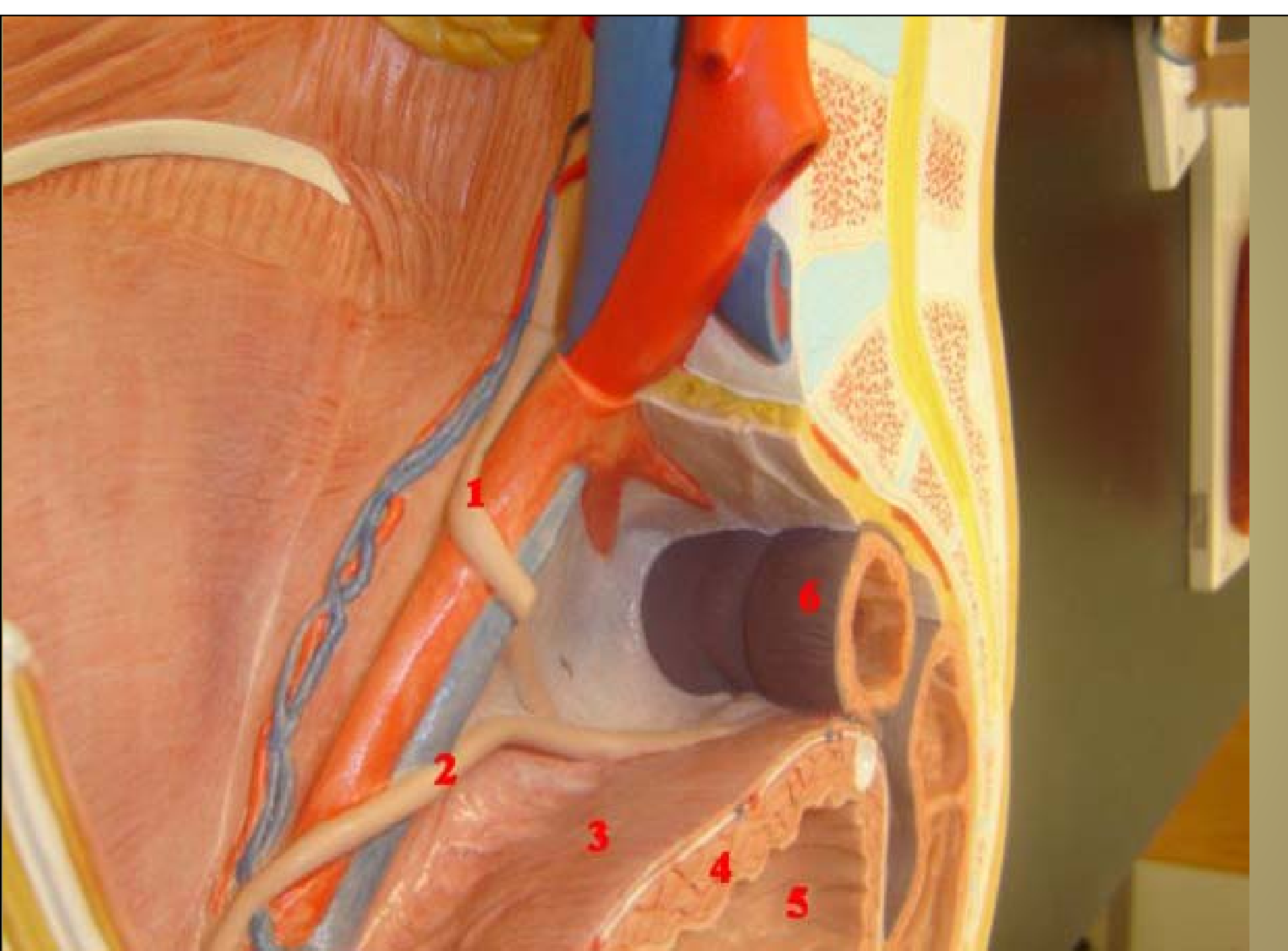




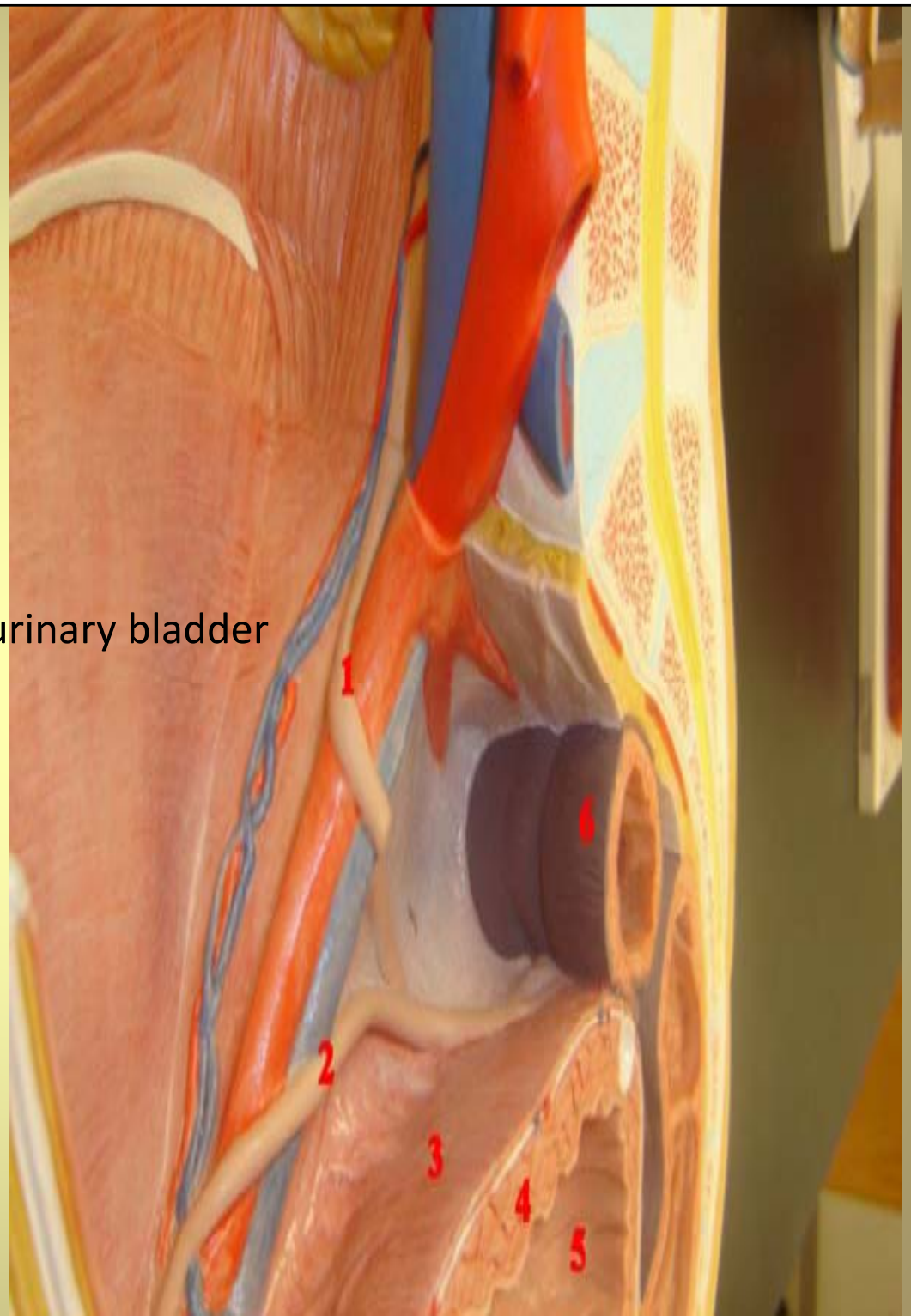


- 1.Epididymis
- 2.Seminiferous tubules of testis
- 3.Glans penis
- 4.Prepuce
- 5.Corpus cavernosa
- 6.Corpus spongiosum
- 7.Spongy/penile urethra
- 8.Urogenital diaphragm
- 9.Membranous urethra
- 10.Prostate gland
- 11.Prostatic urethra
- 12.Ejaculatory duct
- 13.Anus
- 14.External anal sphincter
- 15.Internal anal sphincter
- 16.Anal canal
- 17.Rectum
- 18.Sigmoid colon
- 19.Rugae within urinary bladder
- 20.Detrusor muscle
- 21.Internal urethral sphincter
- 22.Internal urethral orifice
- 23.Ureter
- 24.External urethral orifice

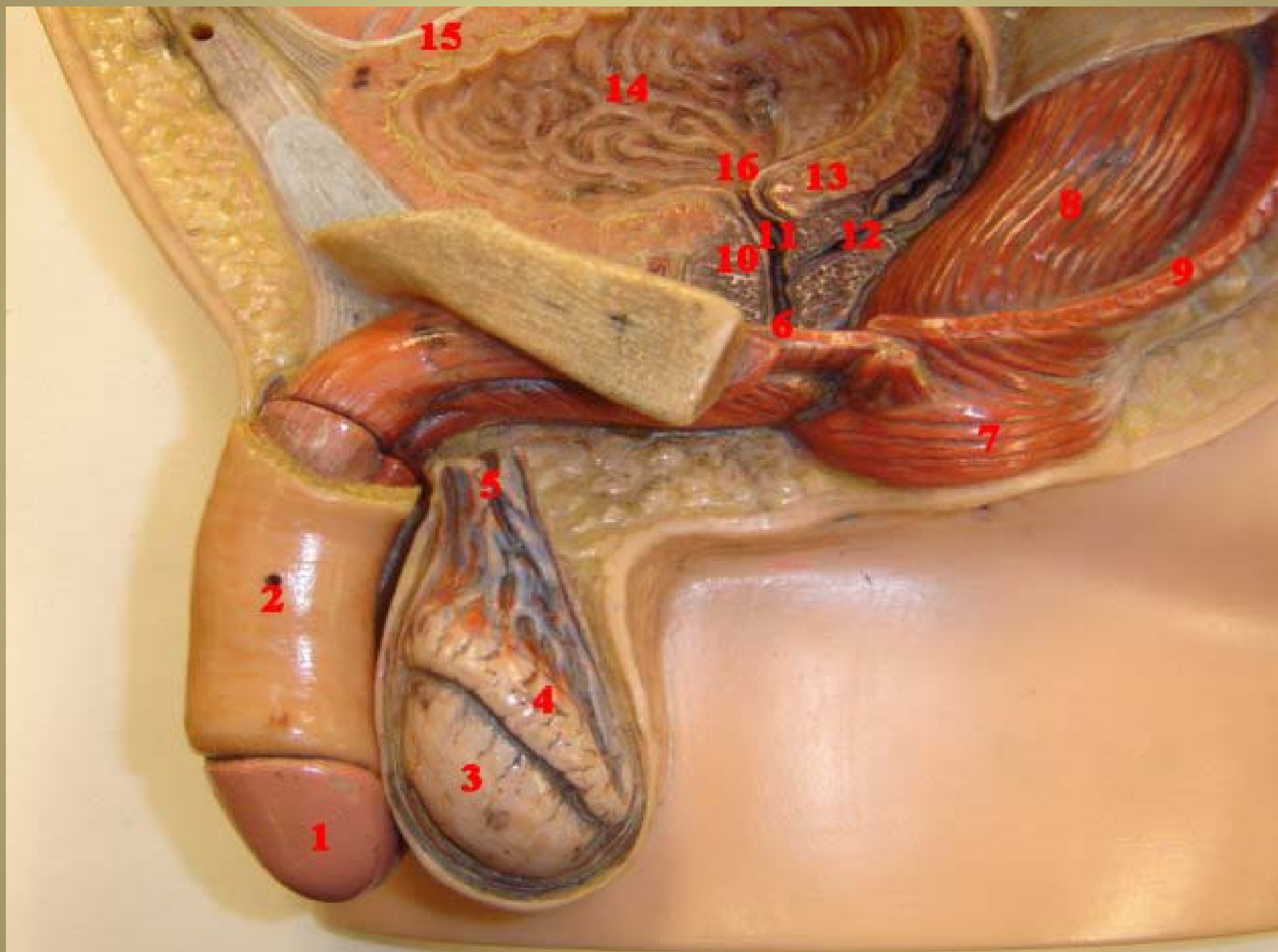




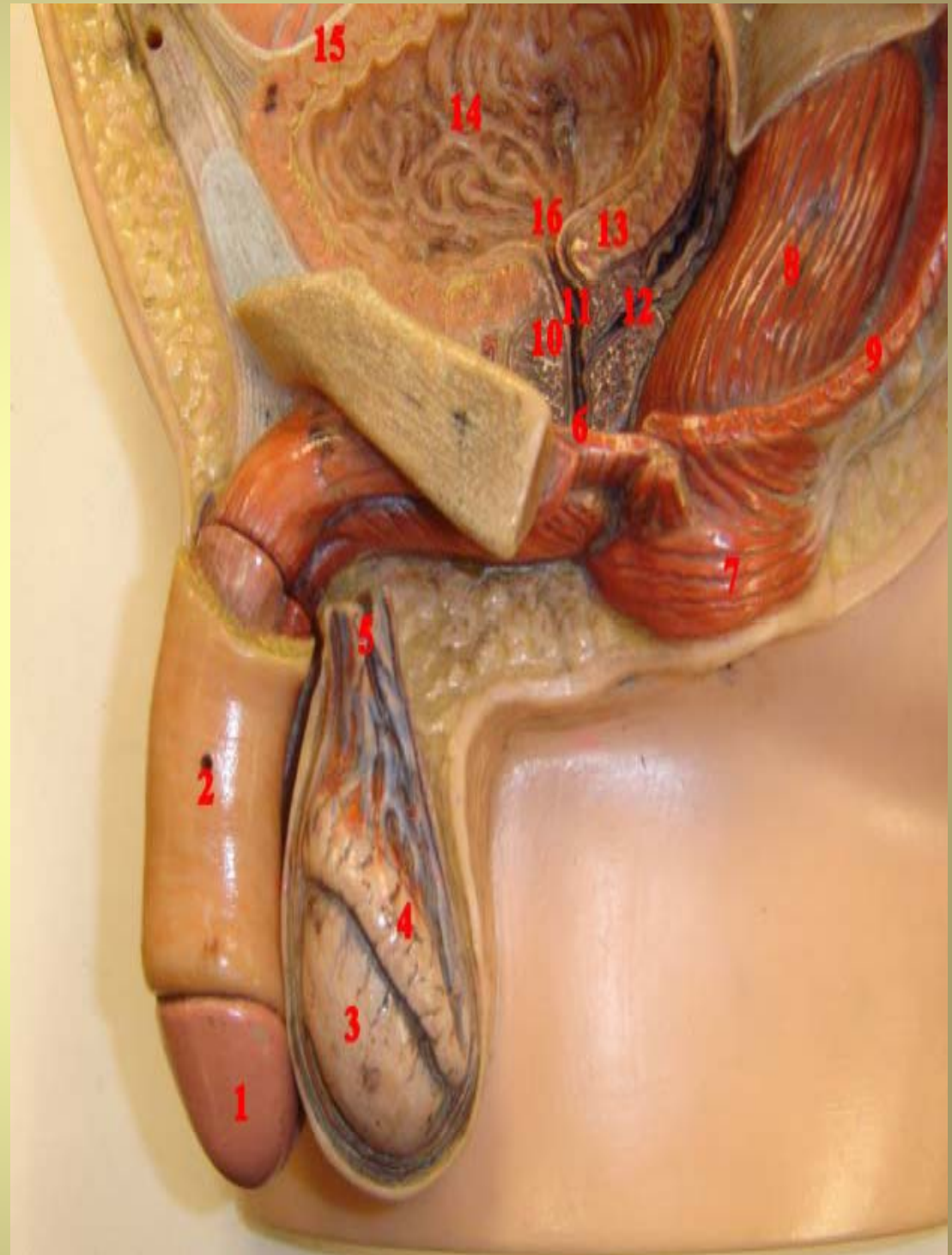
1. Ureter
2. Vas deferens
3. Parietal peritoneum on top of the urinary bladder
4. Detrusor muscle
5. Rugae within the urinary bladder
6. Sigmoid colon

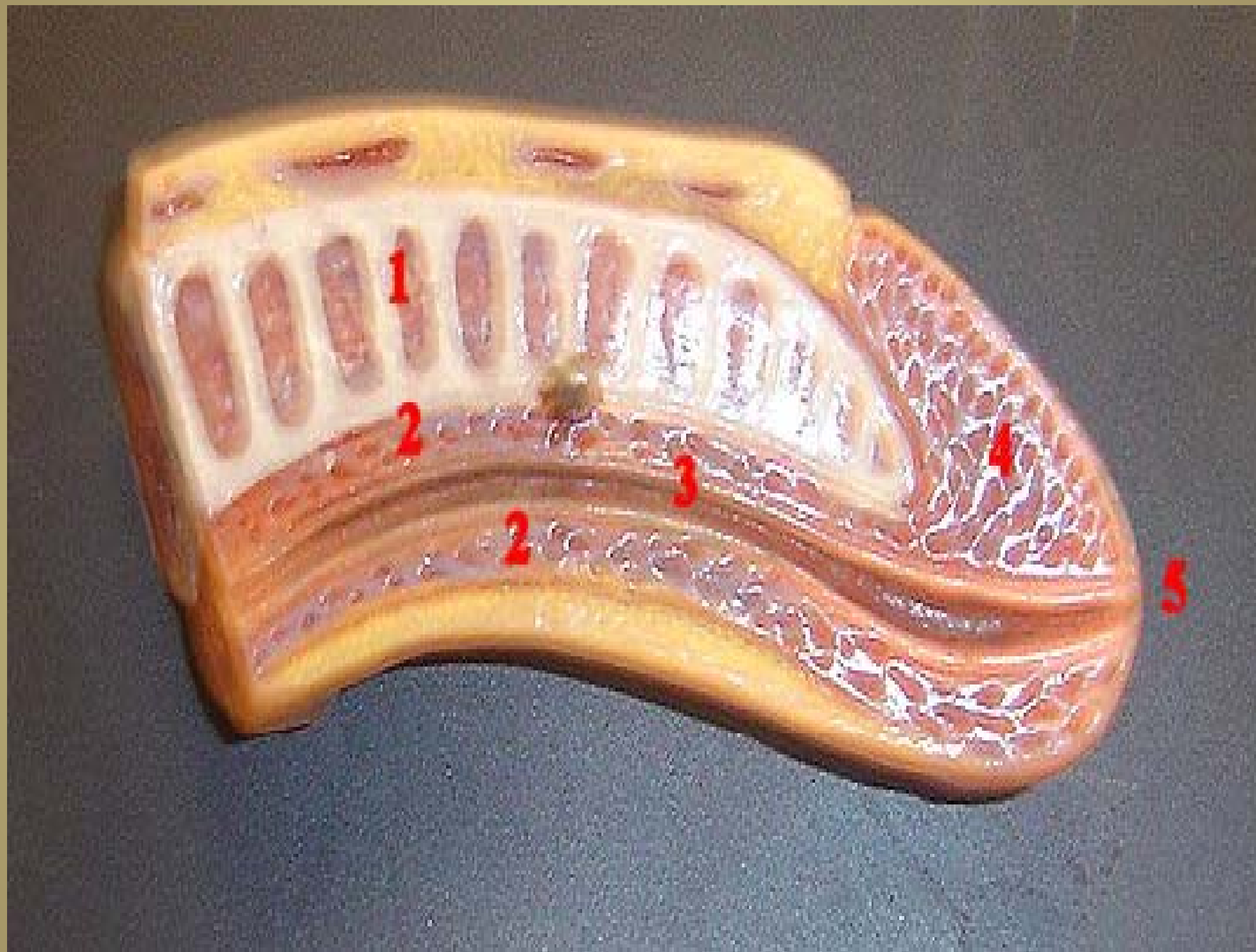






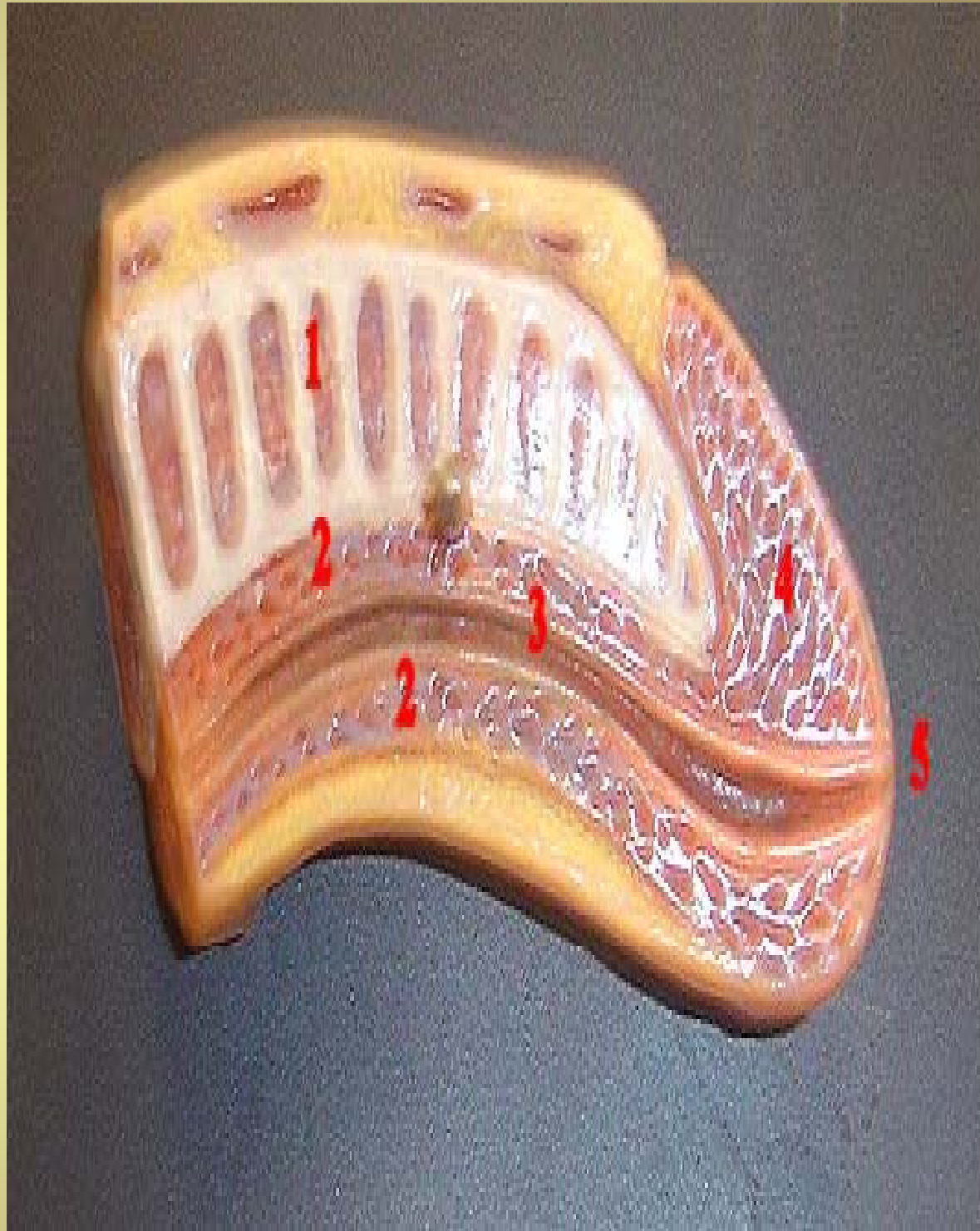
1. Glans penis
2. Penile shaft
3. Testis
4. Epididymis
5. Spermatic cord
6. Urogenital diaphragm
7. External anal sphincter
8. Rectum
9. Pelvic diaphragm
10. Prostate gland
11. Prostatic urethra
12. Ejaculatory duct
13. Internal urethral sphincter
14. Rugae within the urinary bladder
15. Detrusor muscle
16. Internal urethral orifice

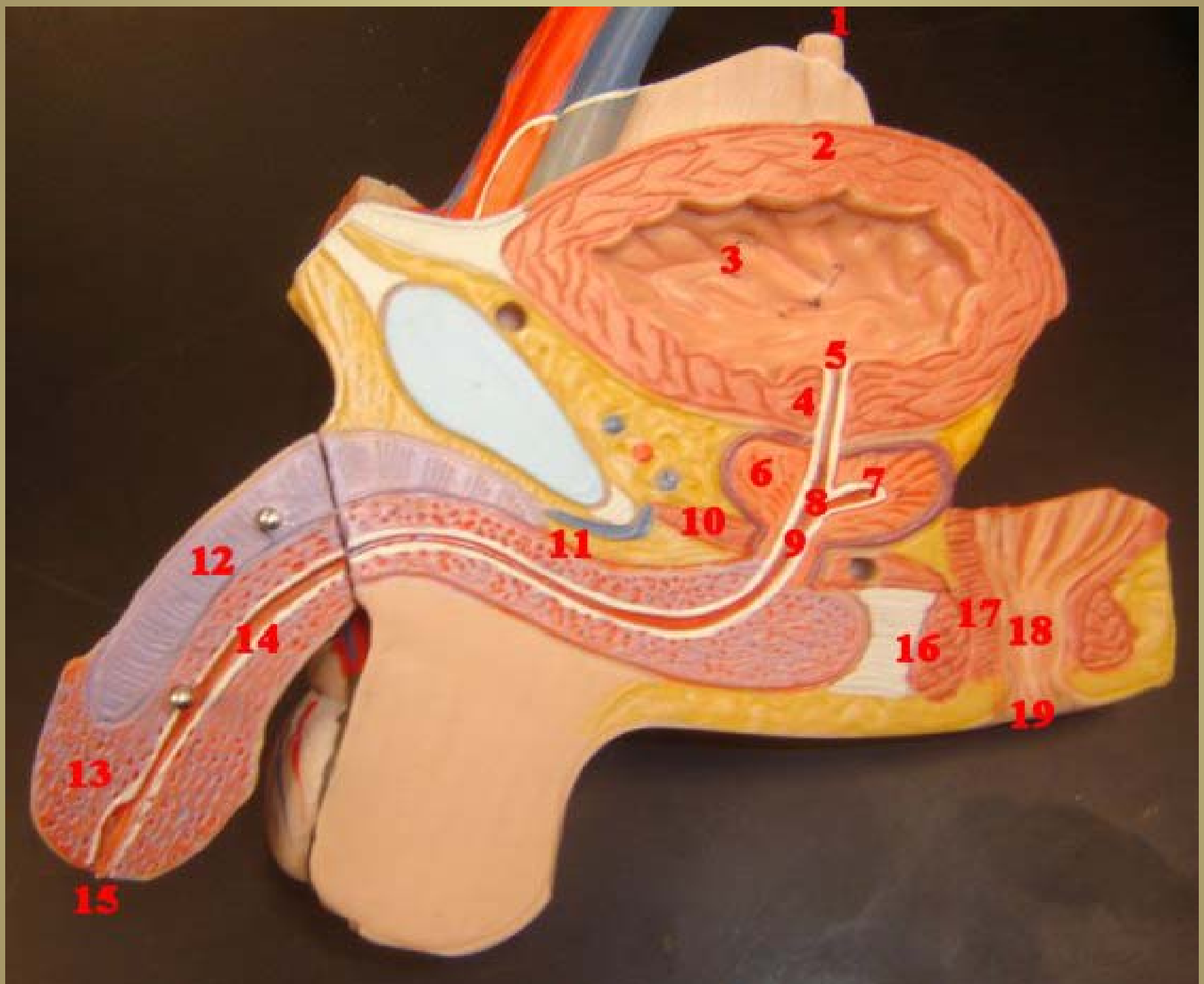




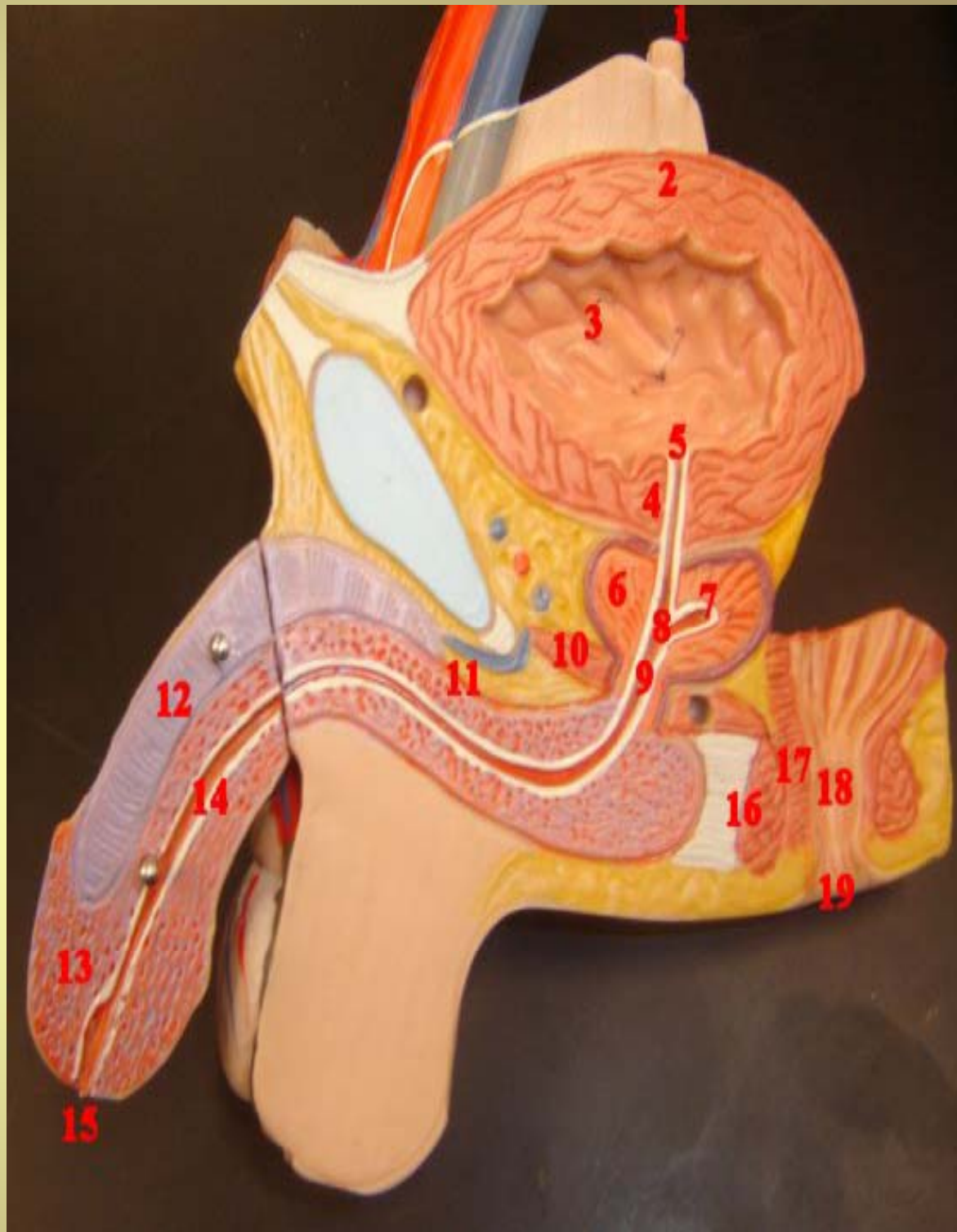


1. Corpus cavernosa
2. Corpus spongiosum
3. Penile/spongy urethra
4. Glans penis
5. External urethral orifice

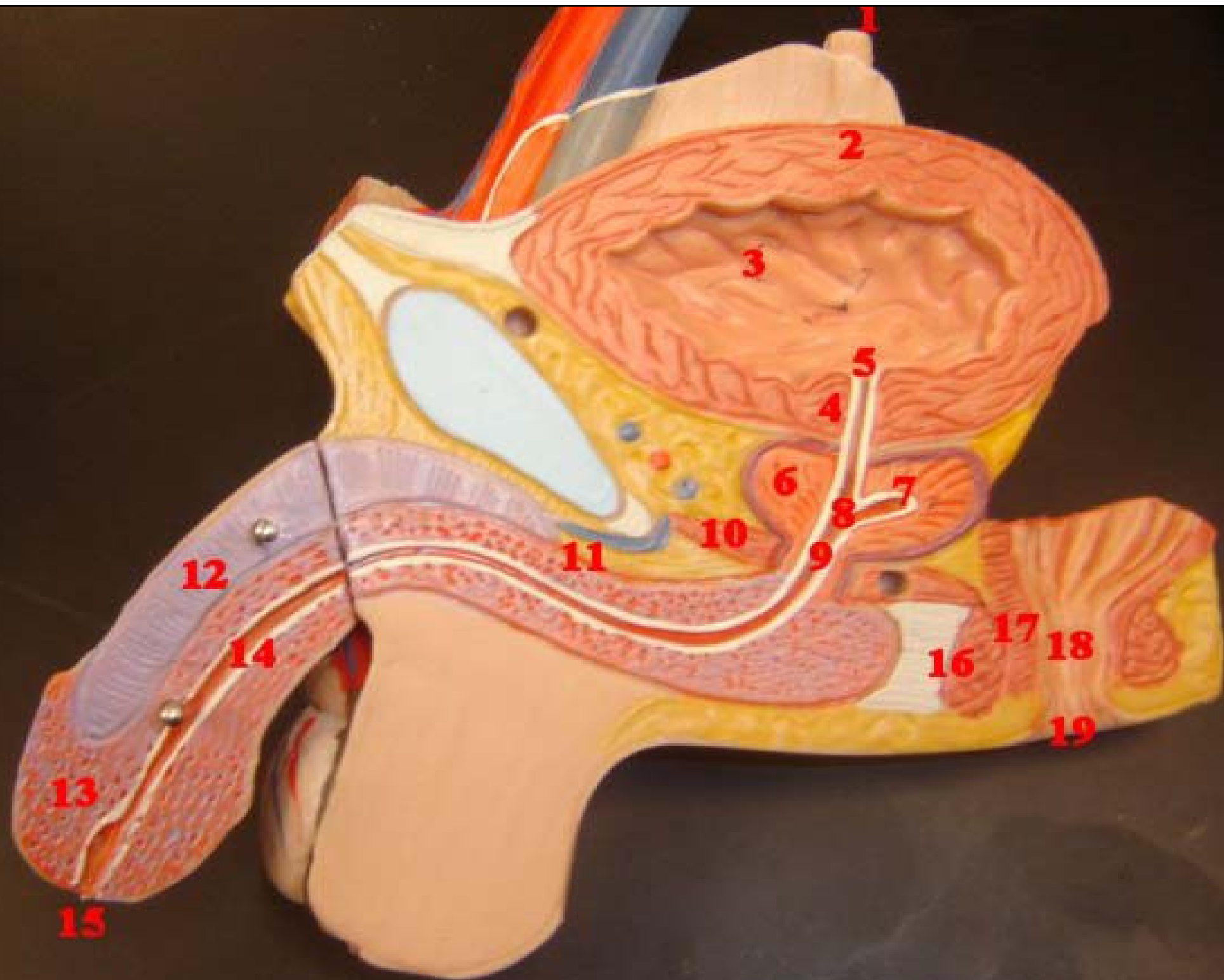




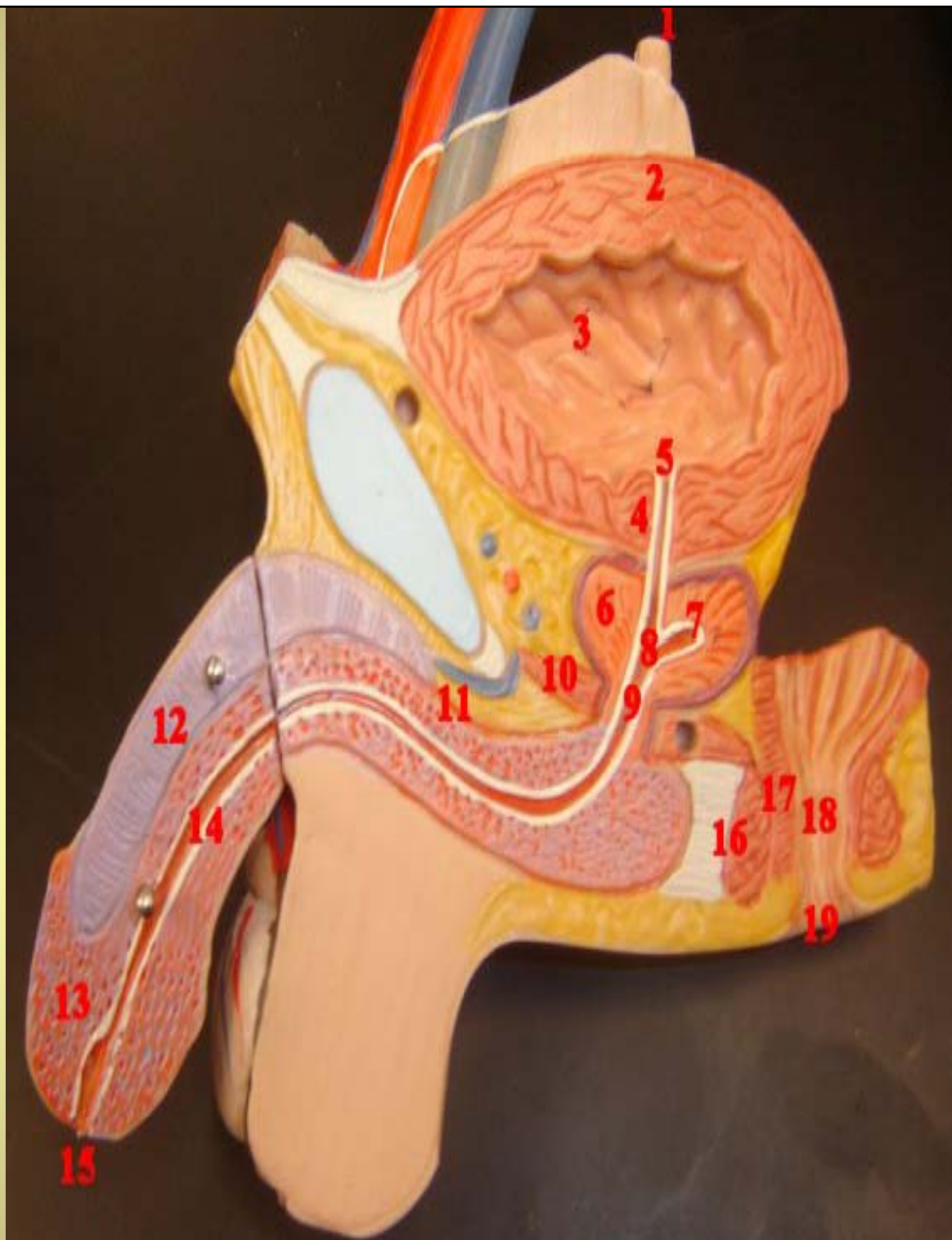
- 
- This anatomical model illustrates the female reproductive system in a sagittal section. The components are labeled with red numbers 1 through 19. The labels identify the following structures: 1. Vagina, 2. Uterus, 3. Endometrium, 4. Cervix, 5. Vaginal canal, 6. Vaginal fornix, 7. Vaginal wall, 8. Vaginal opening, 9. Vaginal canal, 10. Vaginal canal, 11. Vaginal canal, 12. Vaginal canal, 13. Vaginal canal, 14. Vaginal canal, 15. Vaginal canal, 16. Vaginal canal, 17. Vaginal canal, 18. Vaginal canal, 19. Vaginal canal.

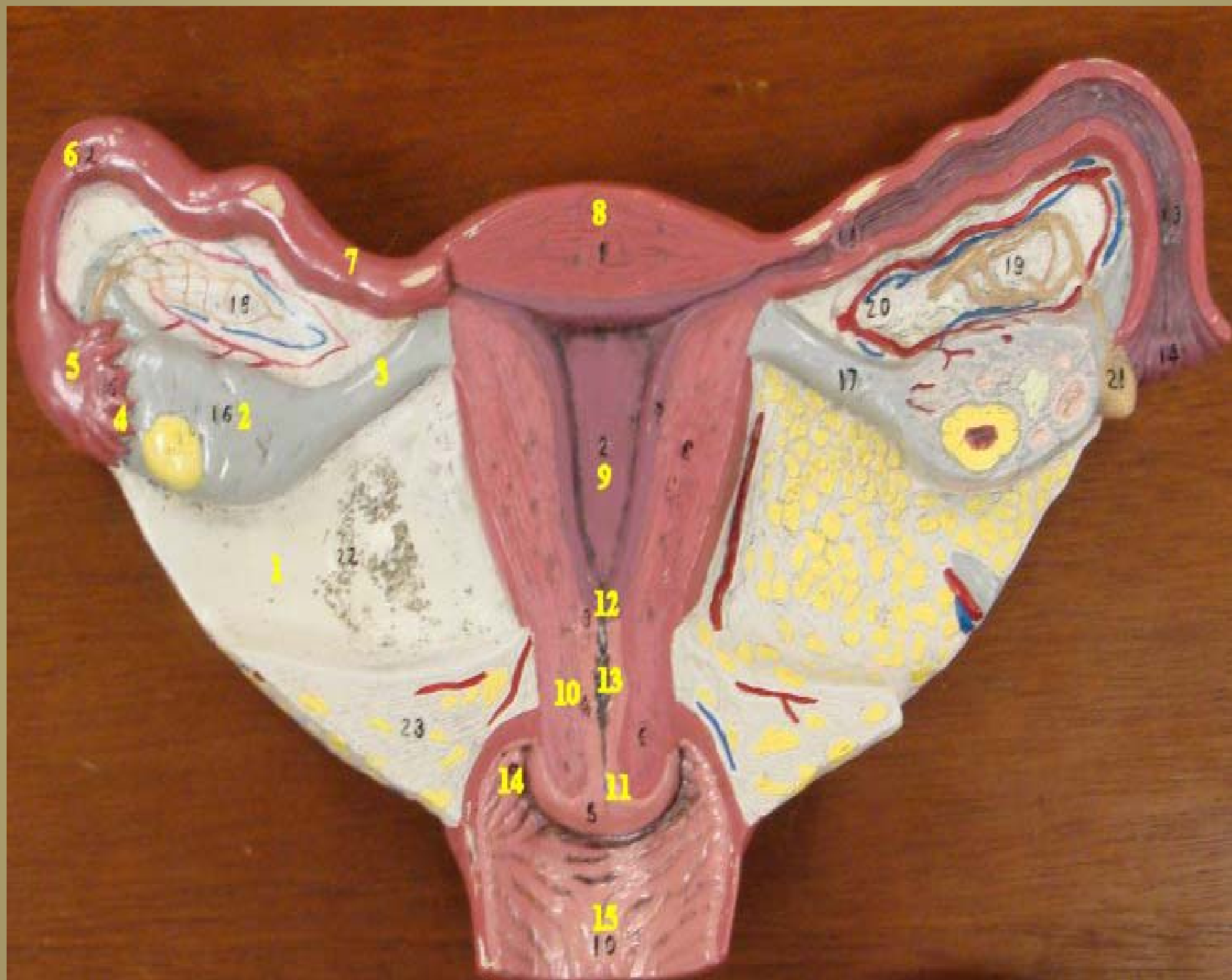






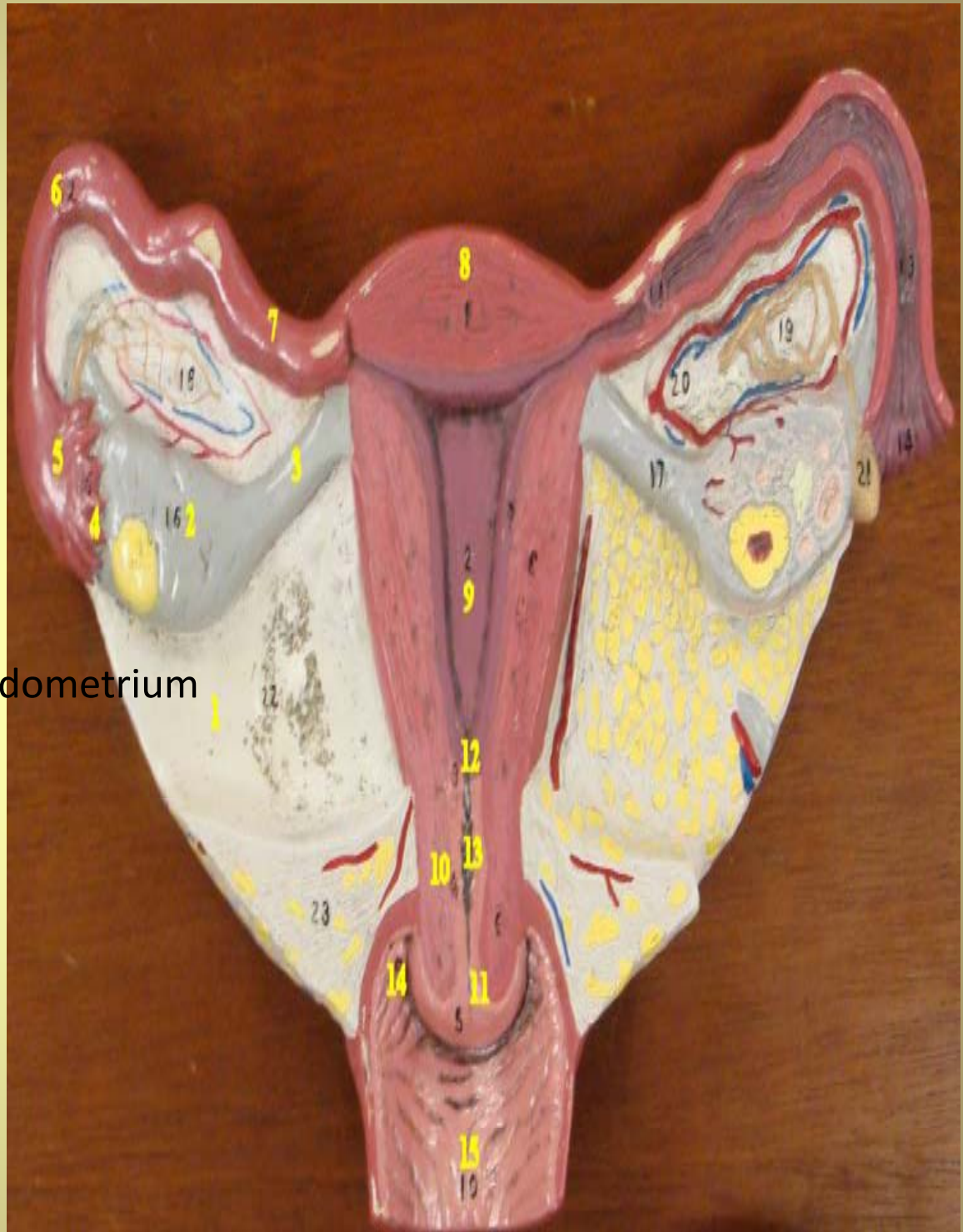
1. Ureter
2. Detrusor muscle
3. Rugae
4. Internal urethral sphincter
5. Internal urethral orifice
6. Prostate gland
7. Ejaculatory duct
8. Prostatic urethra
9. Membranous urethra
10. Urogenital diaphragm
11. Corpus spongiosum
12. Corpus cavernosum
13. Glans penis
14. Penile/spongy urethra
15. External urethral orifice
16. External anal sphincter
17. Internal anal sphincter
18. Anal canal
19. Anus

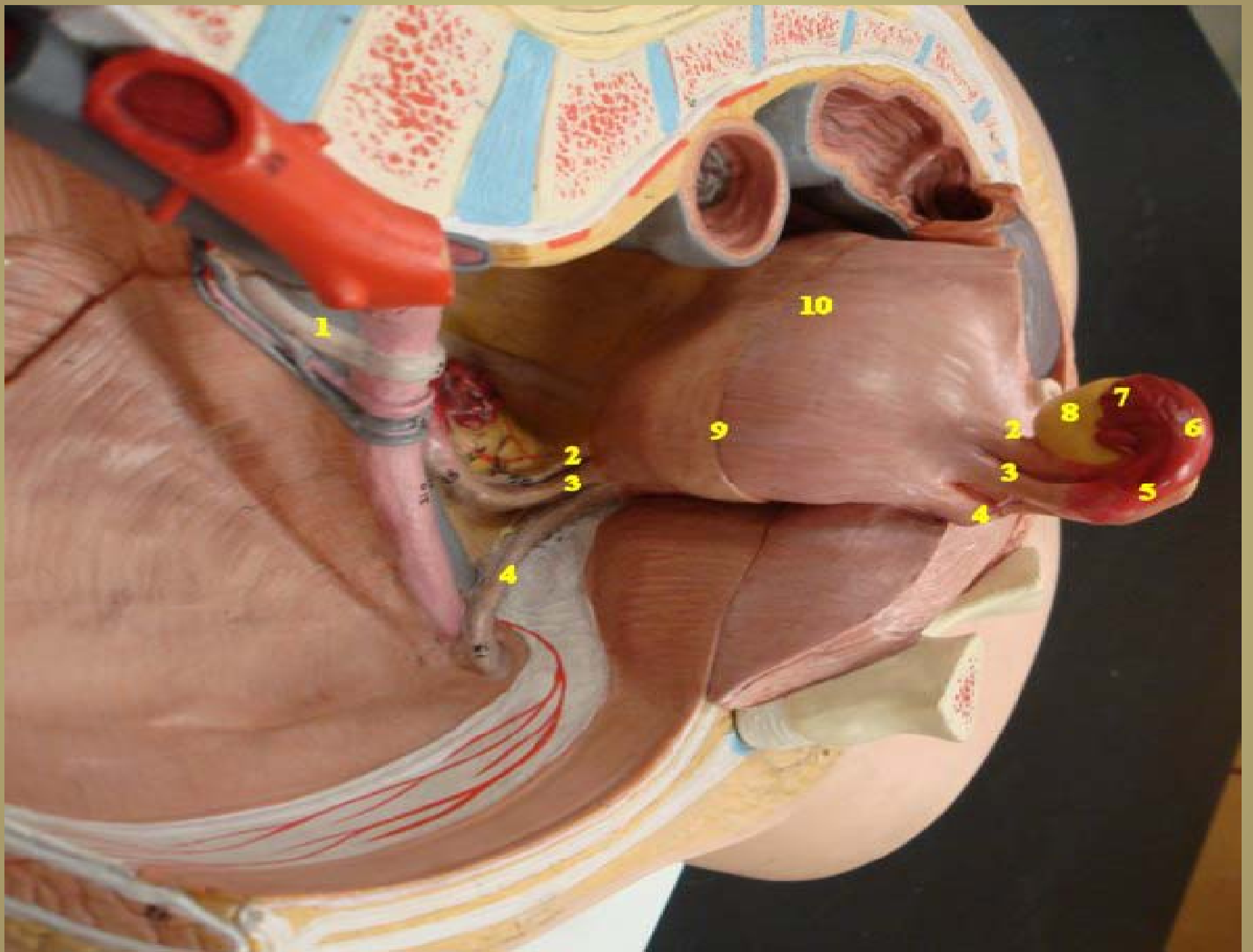






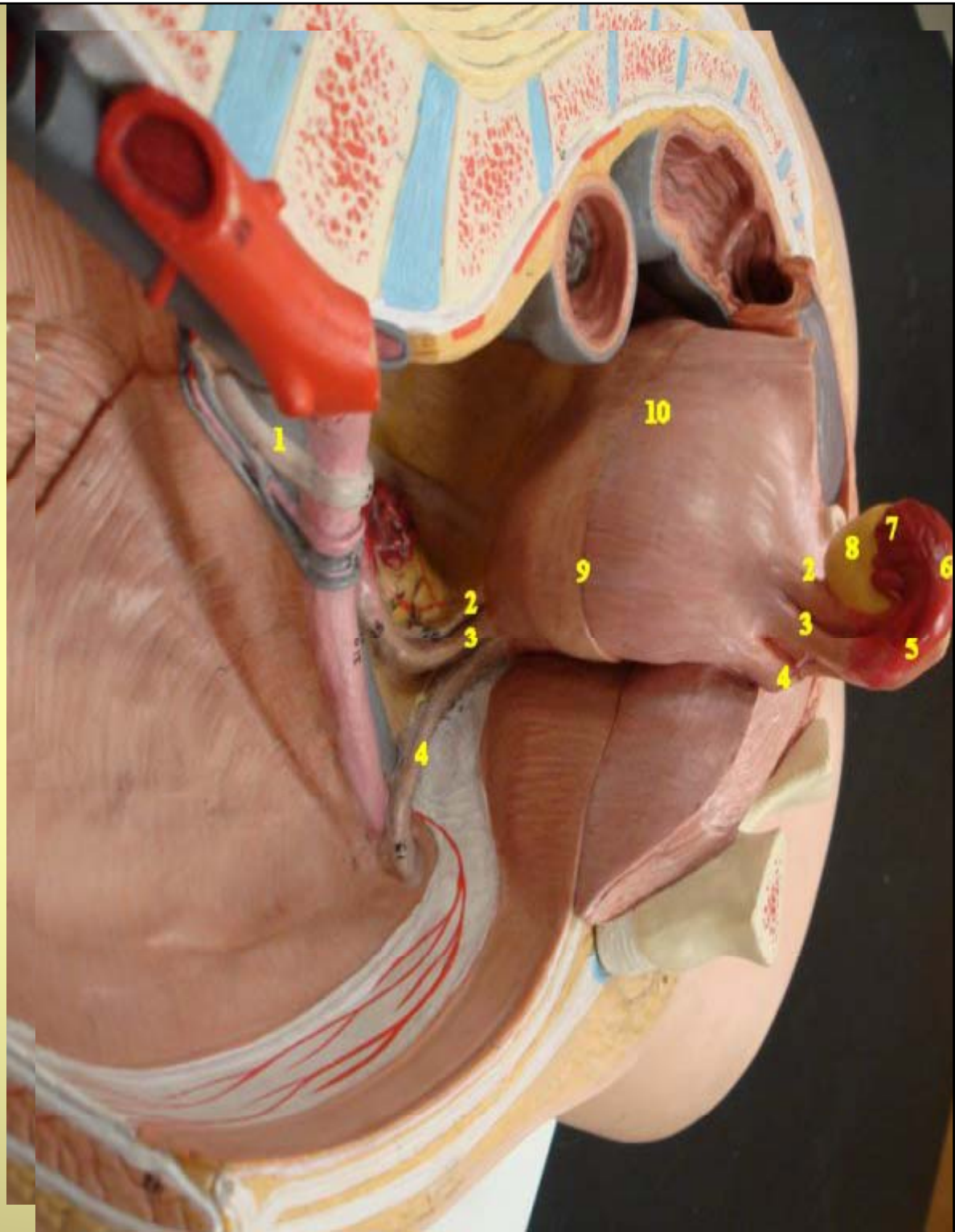
1. Broad ligament
2. Ovary
3. Ovarian ligament
4. Fimbriae
5. Infundibulum
6. Ampulla
7. Isthmus
8. Fundus/Myometrium
9. Body/Stratum functionalis of the endometrium
10. Cervix
11. External os
12. Internal os
13. Cervical canal
14. Lateral fornix
15. Vagina



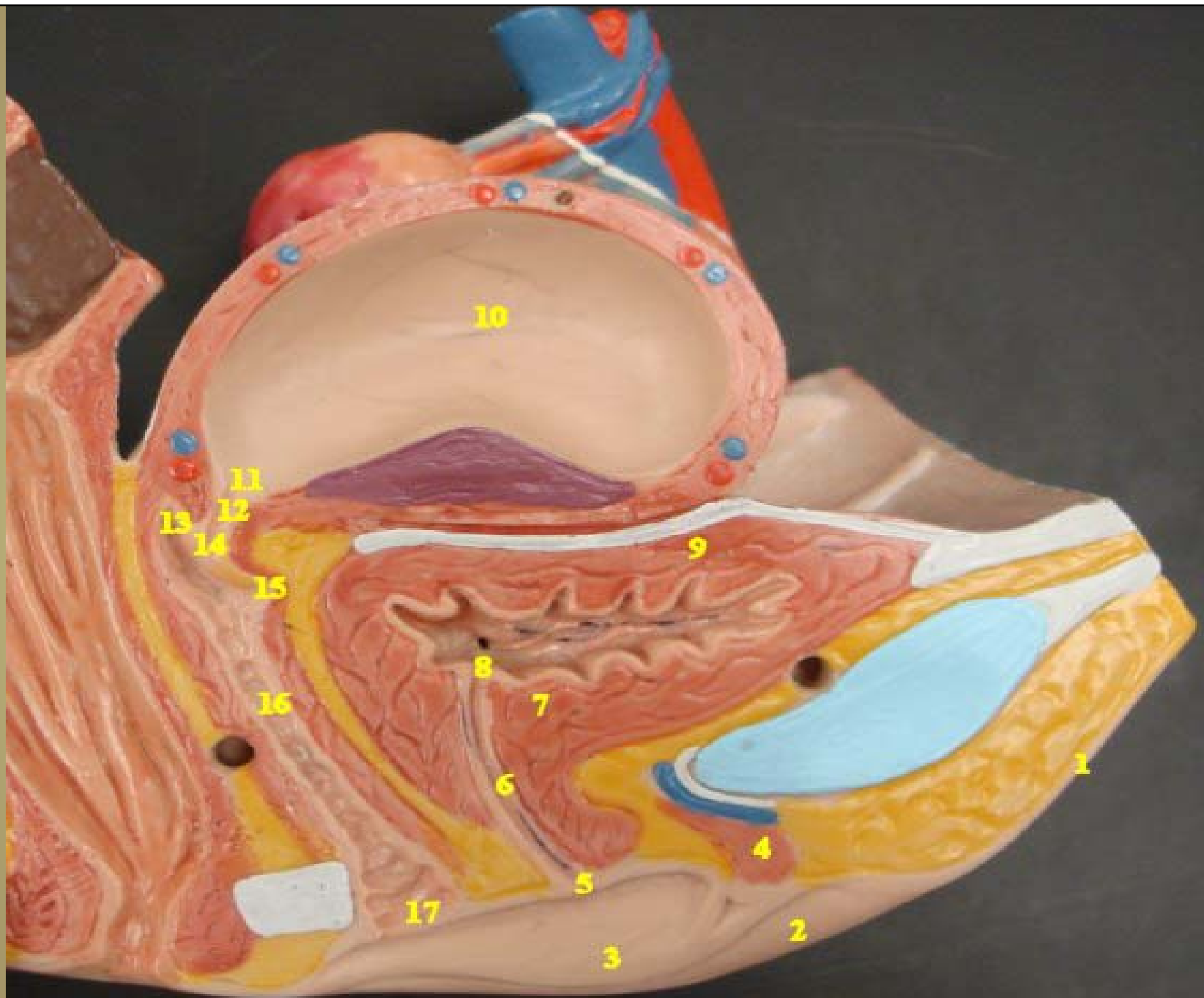




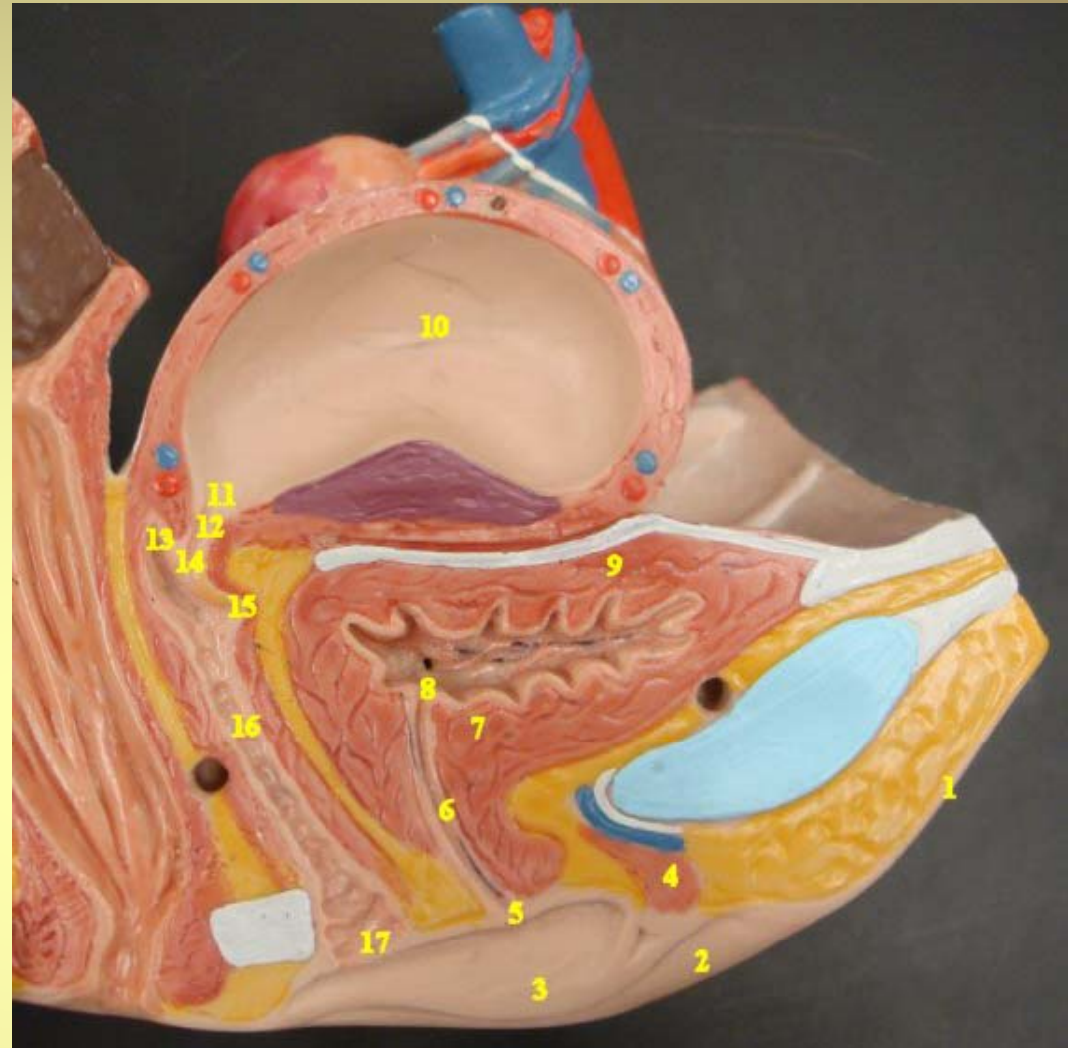
1. Ureter
2. Ovarian ligament
3. Isthmus
4. Round ligament
5. Ampulla
6. Infundibulum
7. Fimbriae
8. Ovary
9. Perimetrium/fundus
10. Perimetrium/body



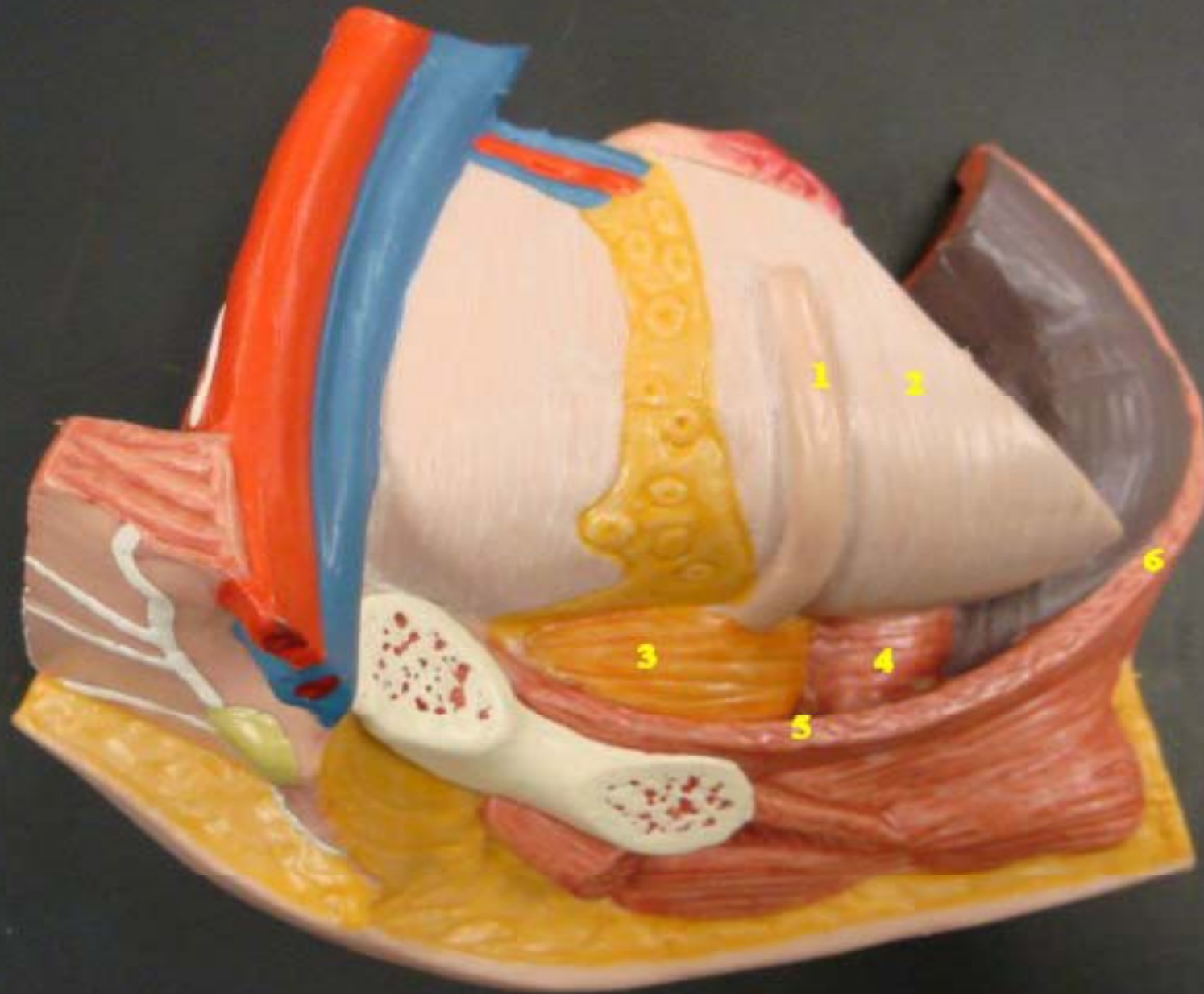




1. Mons pubis
2. Labia majora
3. Labia minora
4. Clitoris
5. External urethral orifice
6. Urethra
7. Internal urethral sphincter
8. Internal urethral orifice
9. Detrusor muscle
10. Uterus
11. Internal os
12. Cervical canal
13. Posterior fornix
14. External os
15. Anterior fornix
16. Vaginal canal
17. External vaginal orifice



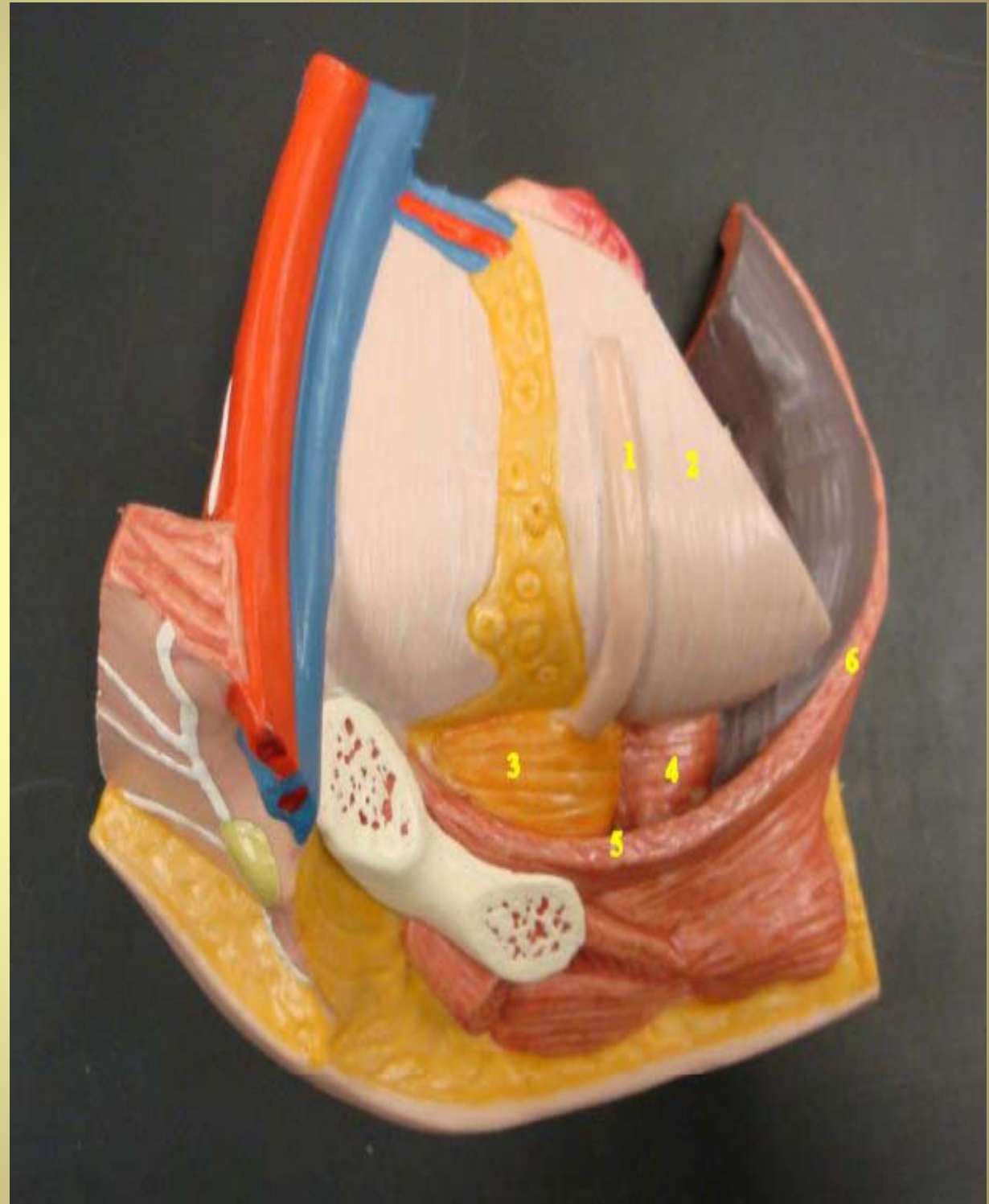
sagital uterus

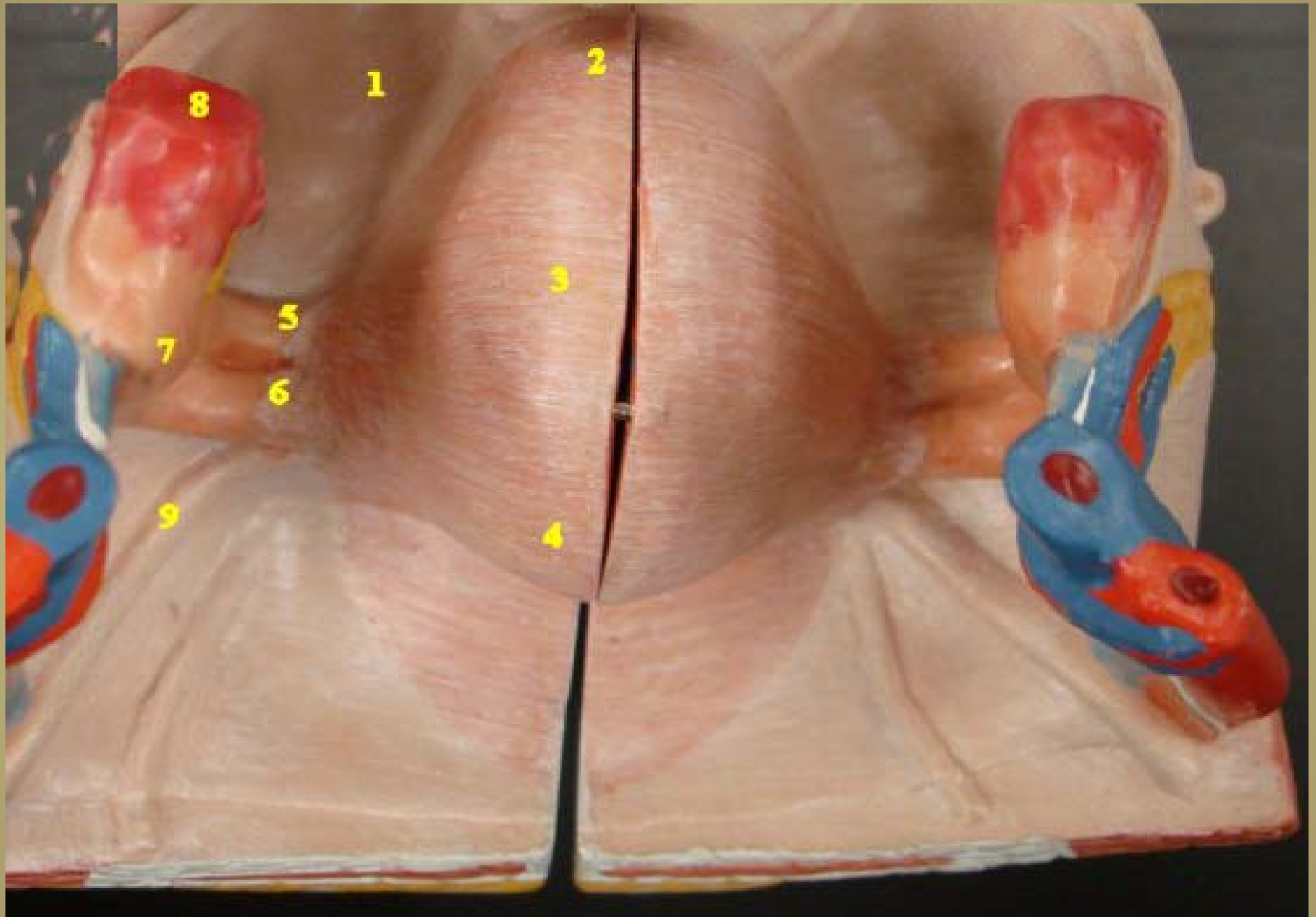




# Lateral uterus

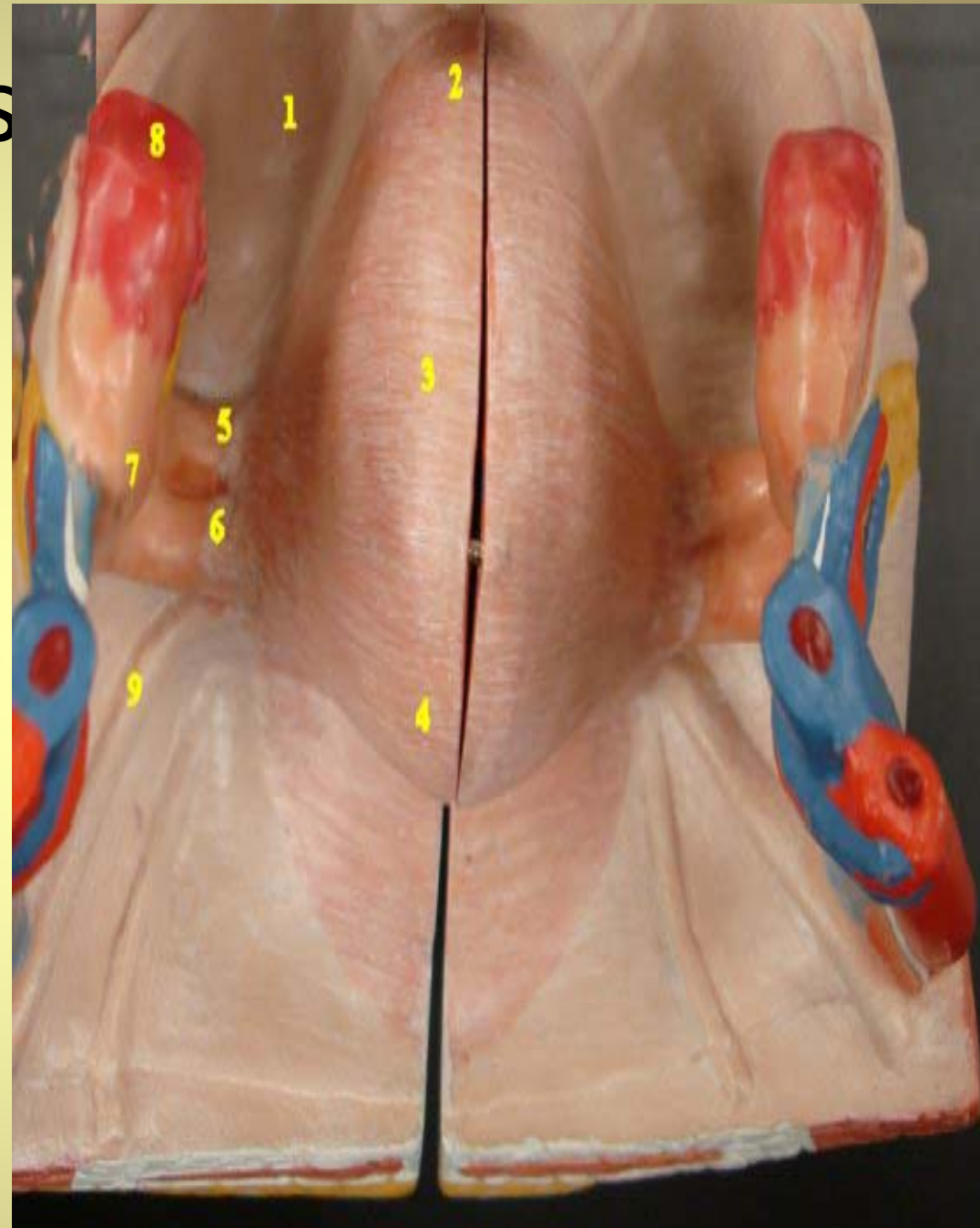
1. Ureter
2. Broad ligament
3. Urinary bladder
4. Vagina
5. Urogenital diaphragm
6. Pelvic diaphragm





# Superior uterus

1. Broad ligament
2. Cervix
3. Body
4. Fundus
5. Ovarian ligament
6. Isthmus
7. Ampulla
8. Infundibulum
9. Round ligament

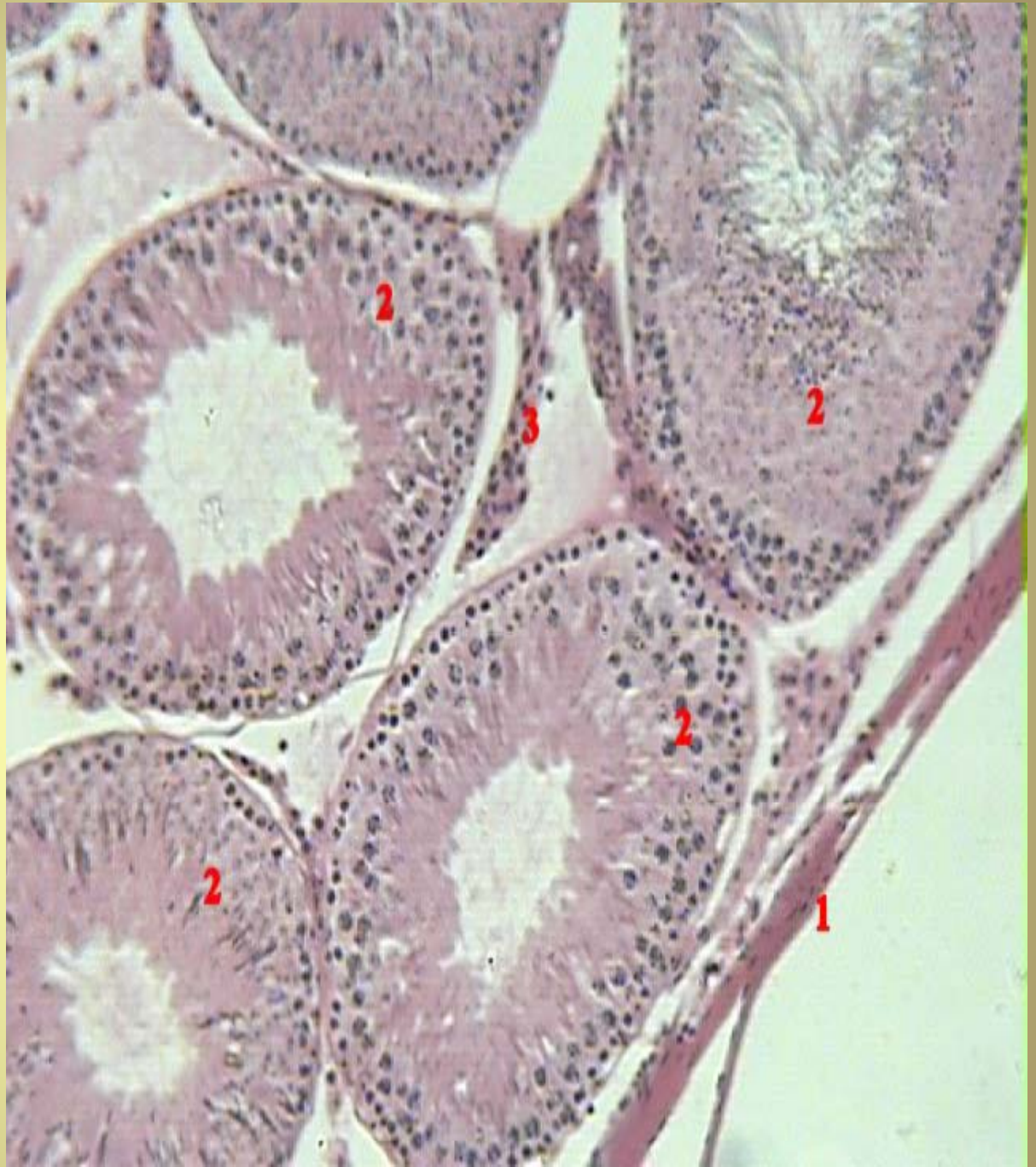


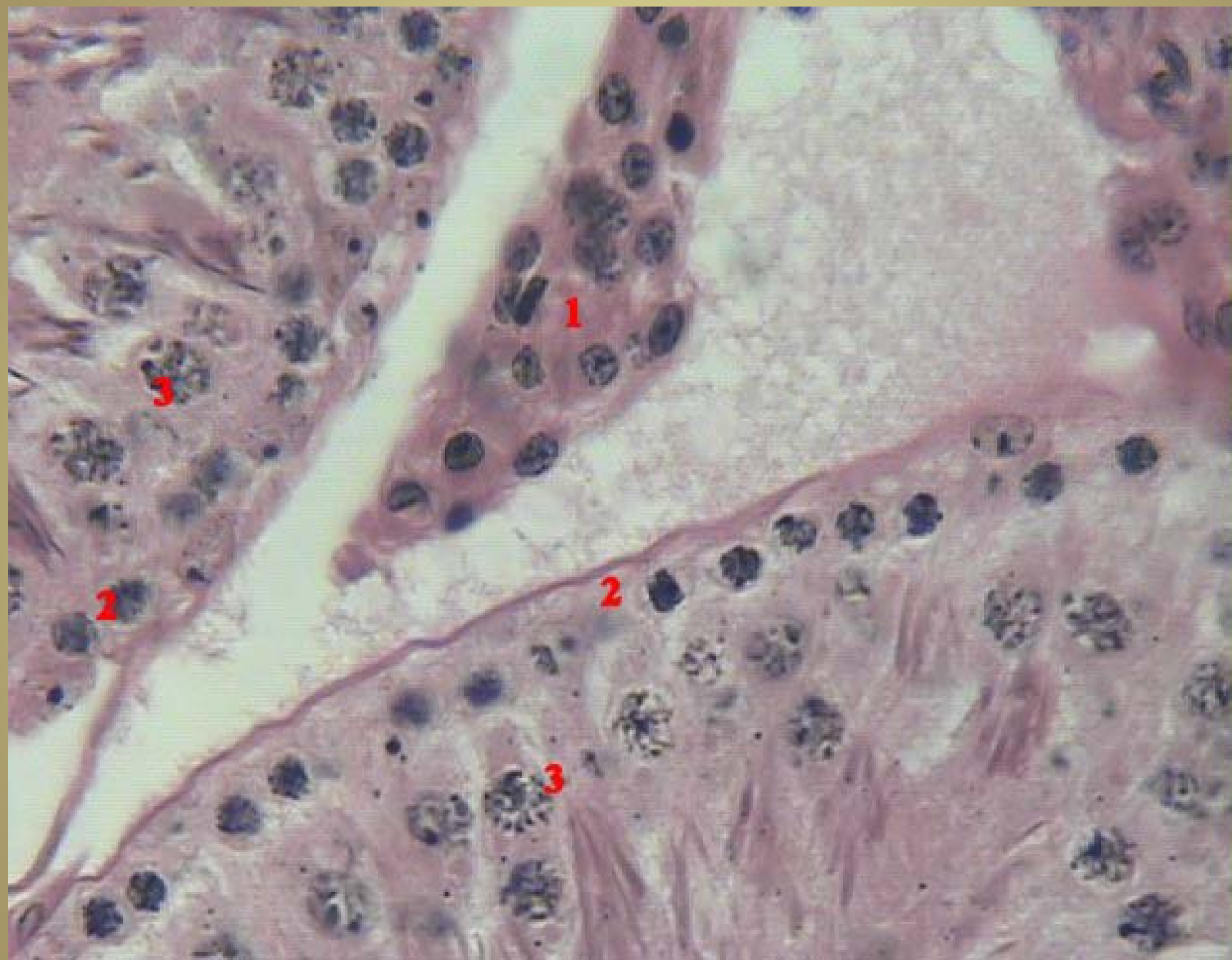




# Seminiferous tubules

1. Tunica albuginea
2. Seminiferous tubules
3. Interstitial cells

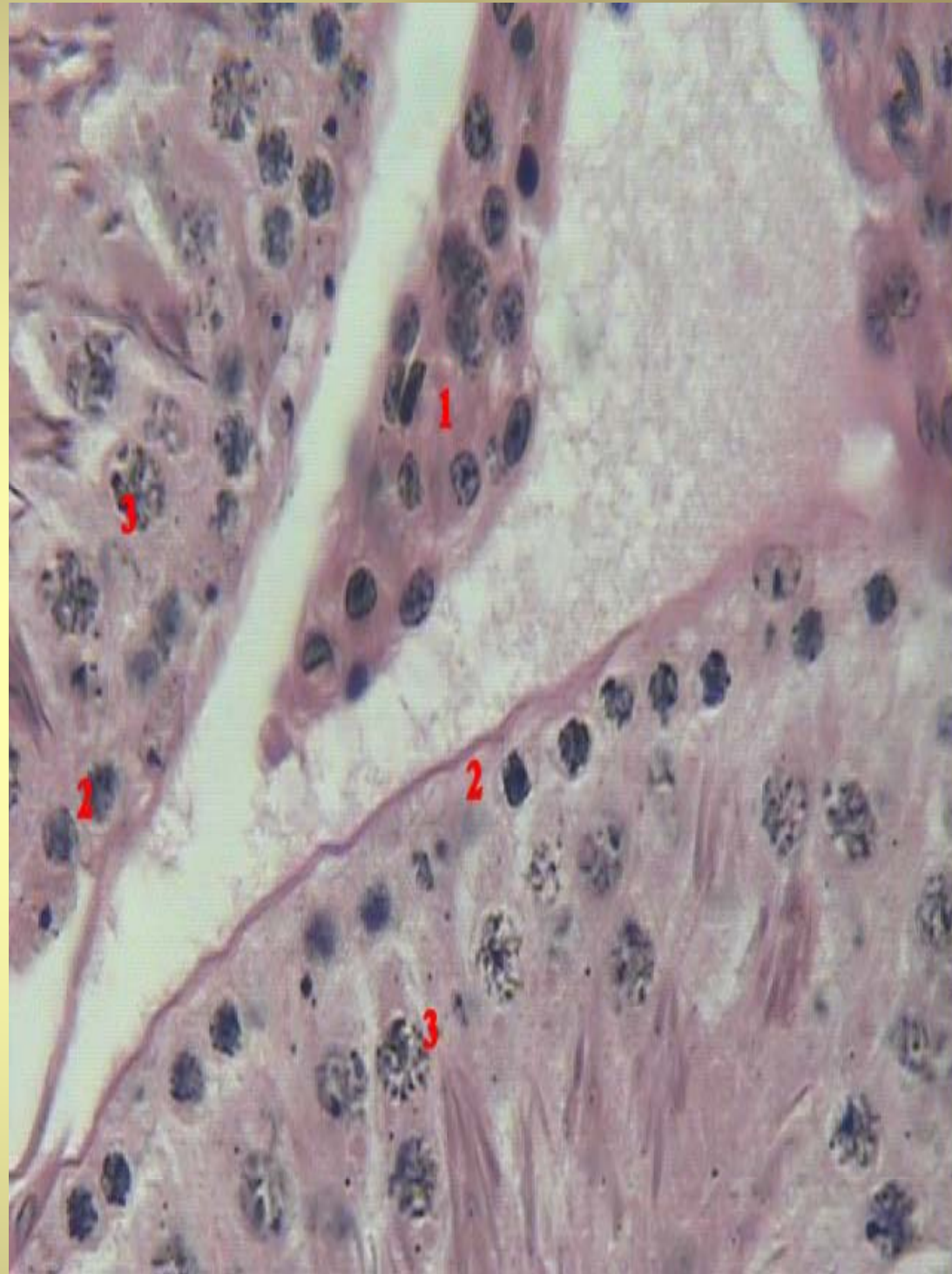






# Interstitial cells

1. Interstitial cells
2. Spermatogonia
3. Primary spermatocytes

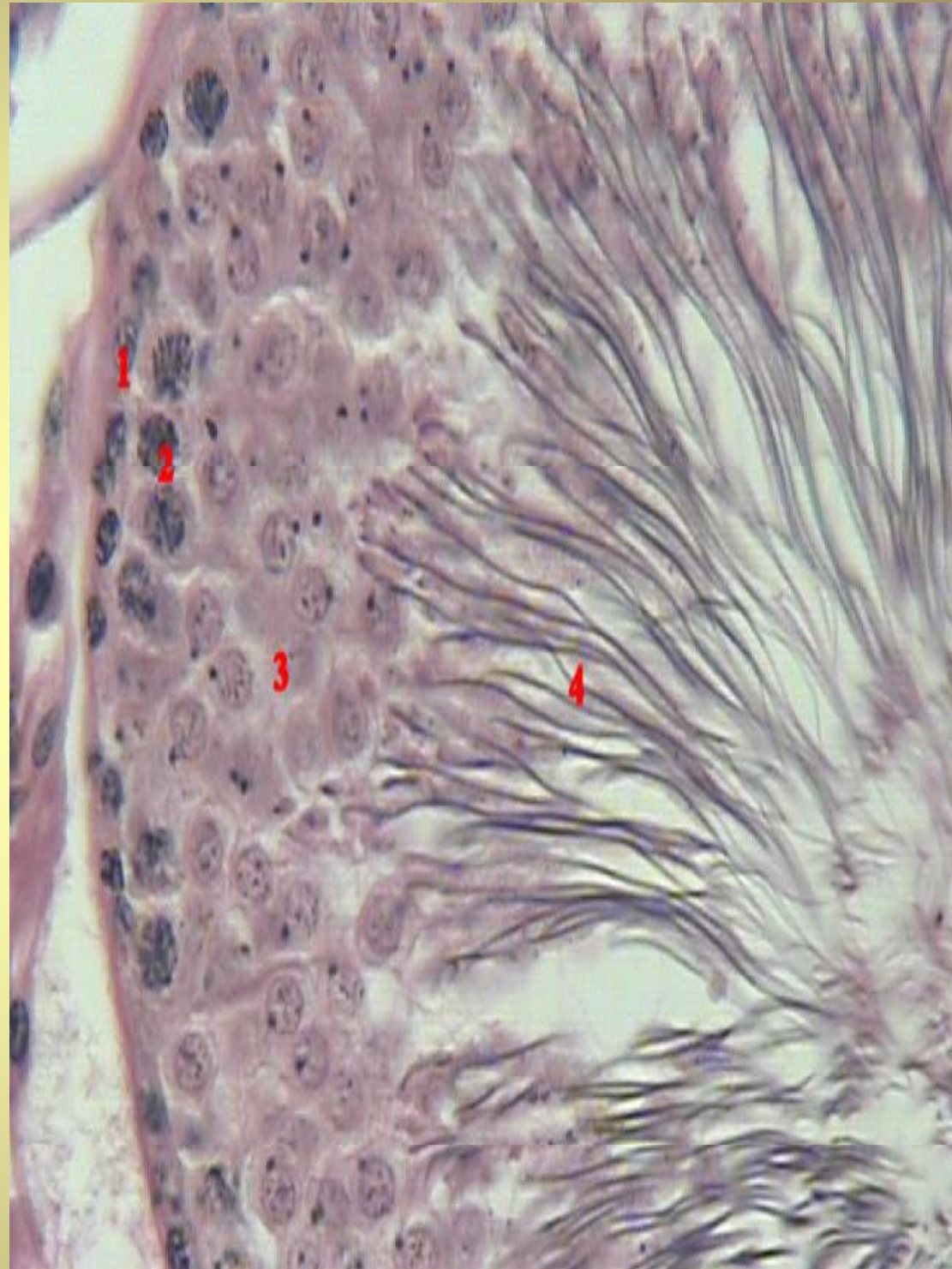




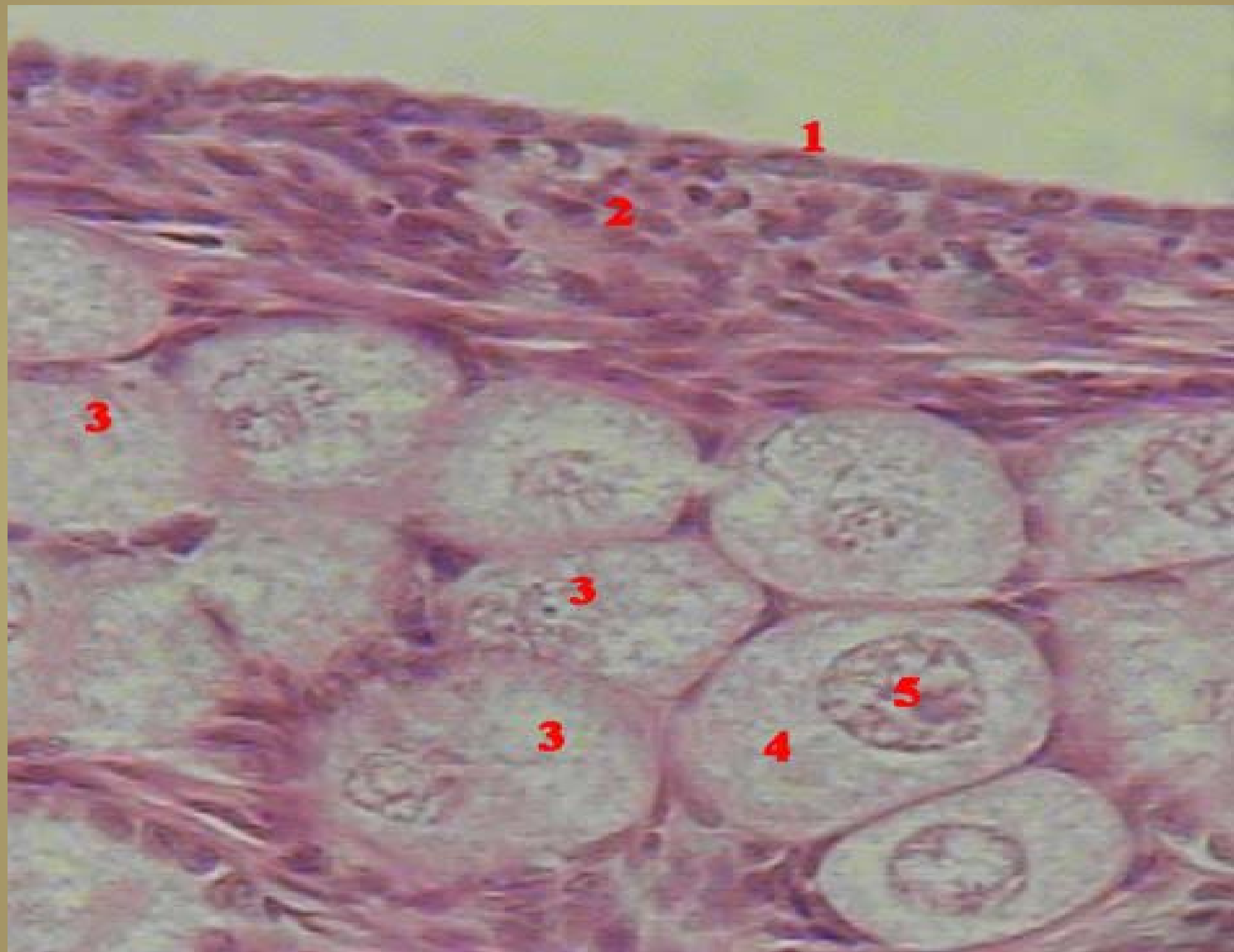


# Seminiferous tubule

1. Spermatogonia
2. Primary spermatocytes
3. Spermatids
4. Sperm flagella

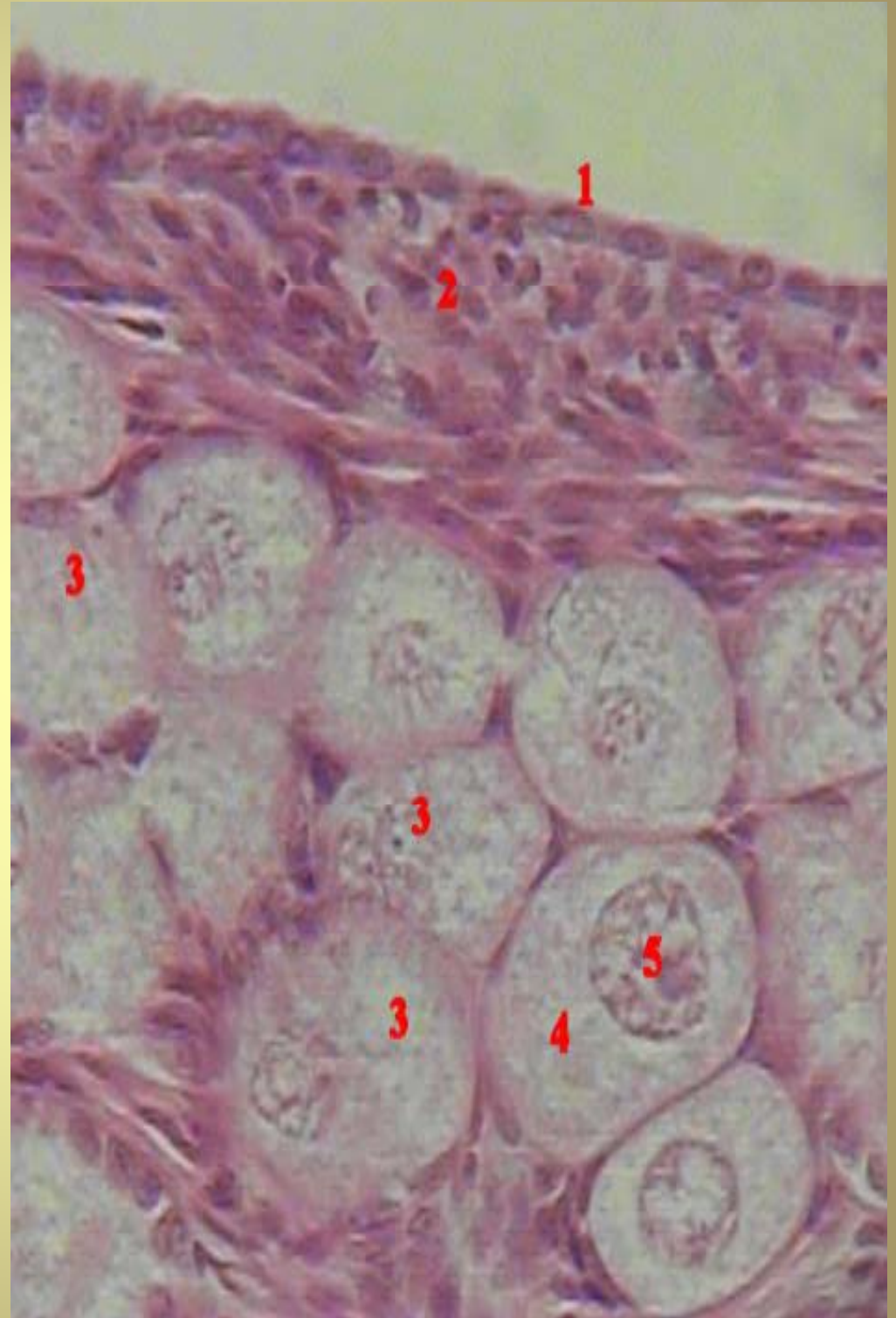


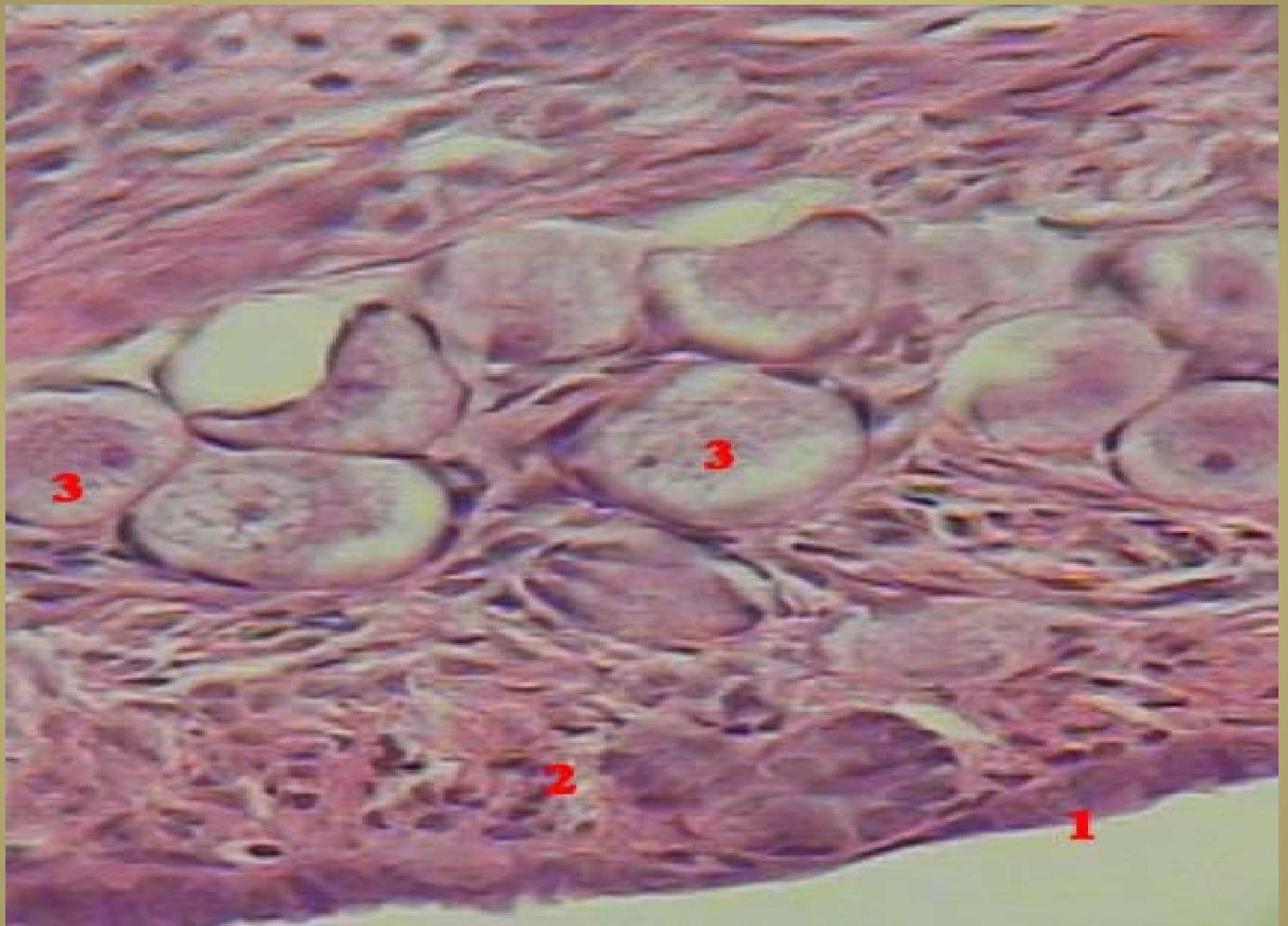




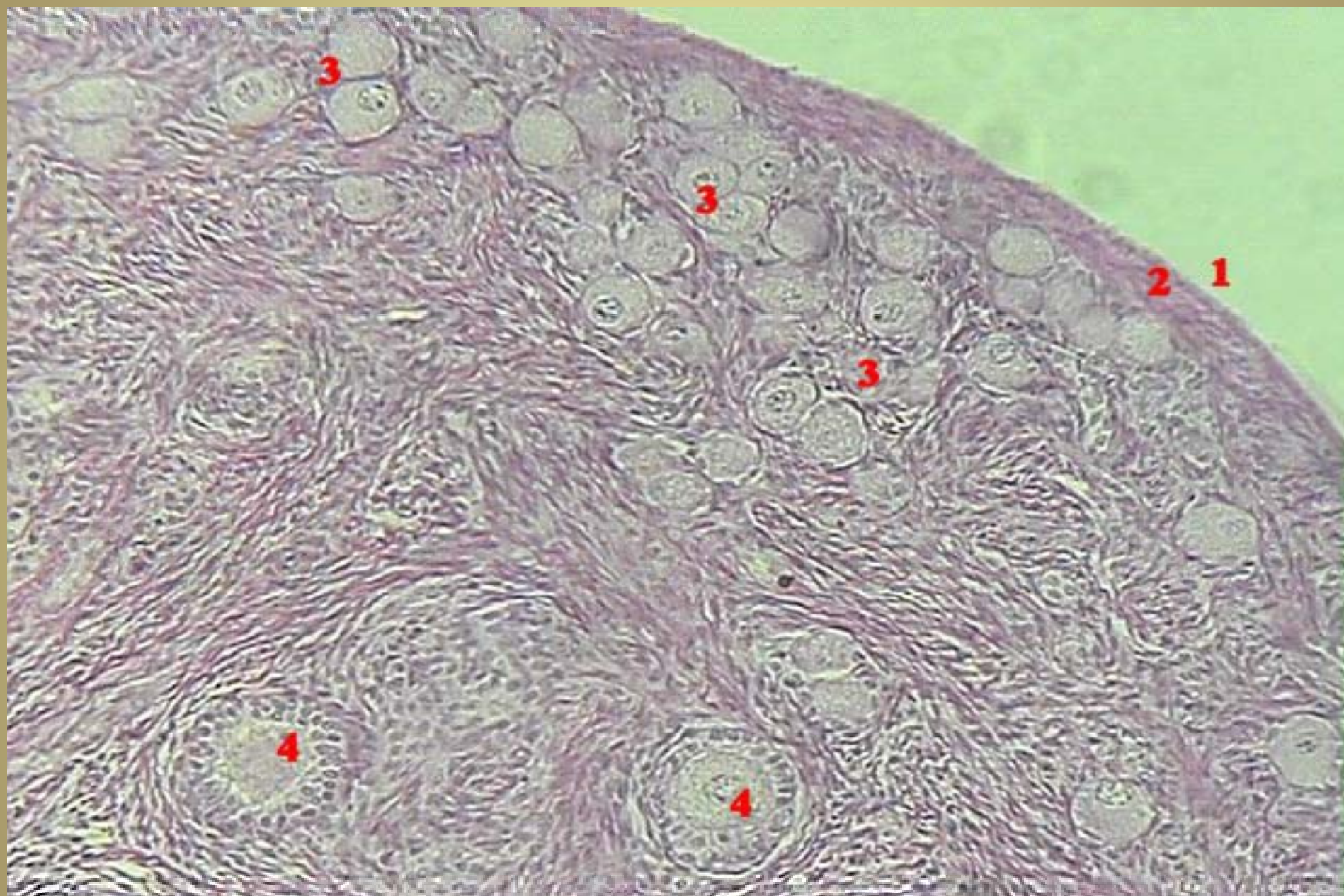
# Primordial follicles

1. Germinal epithelium
2. Tunica albuginea
3. Primordial follicles
4. Primary oocyte
5. Diploid nucleus





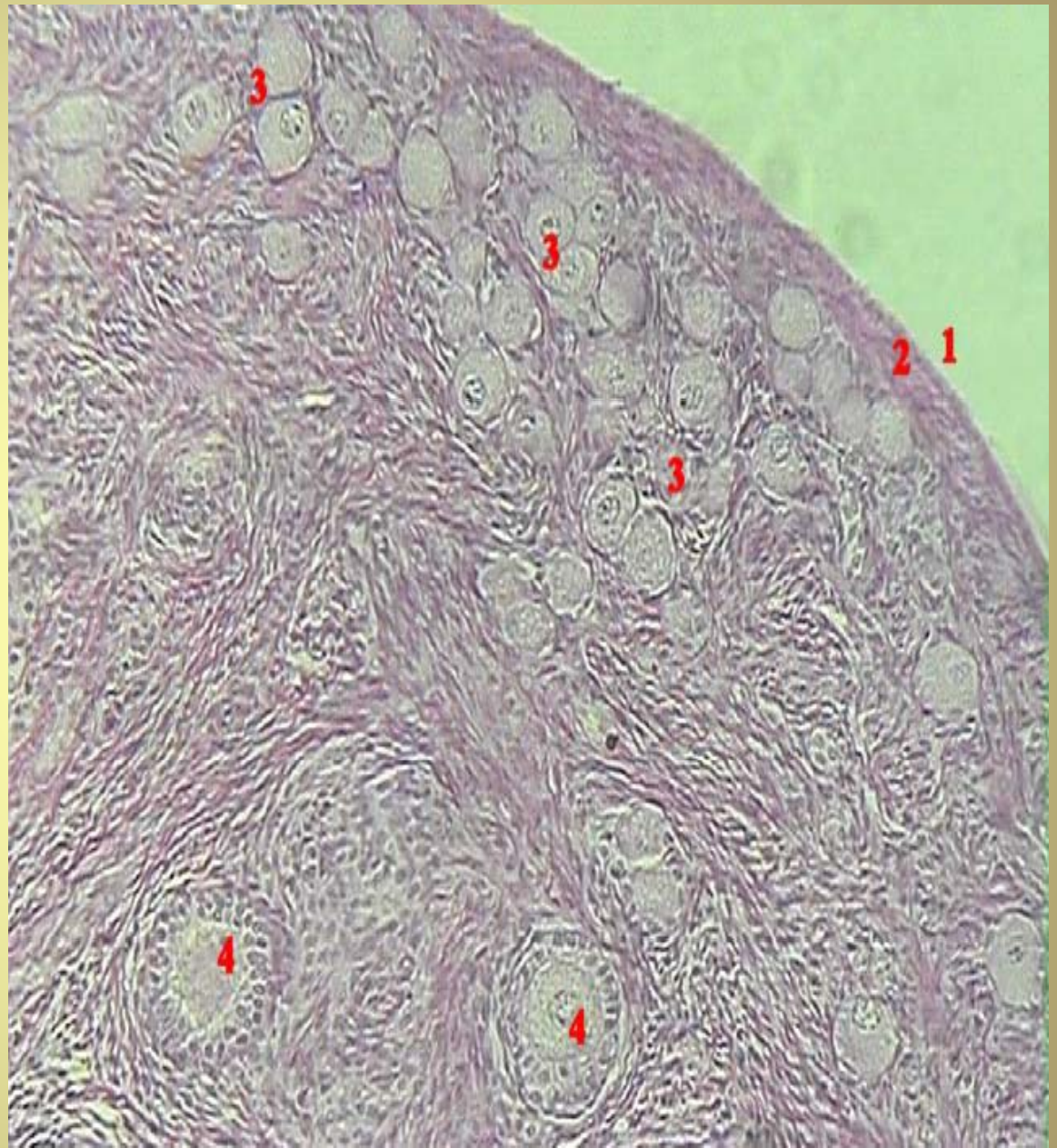


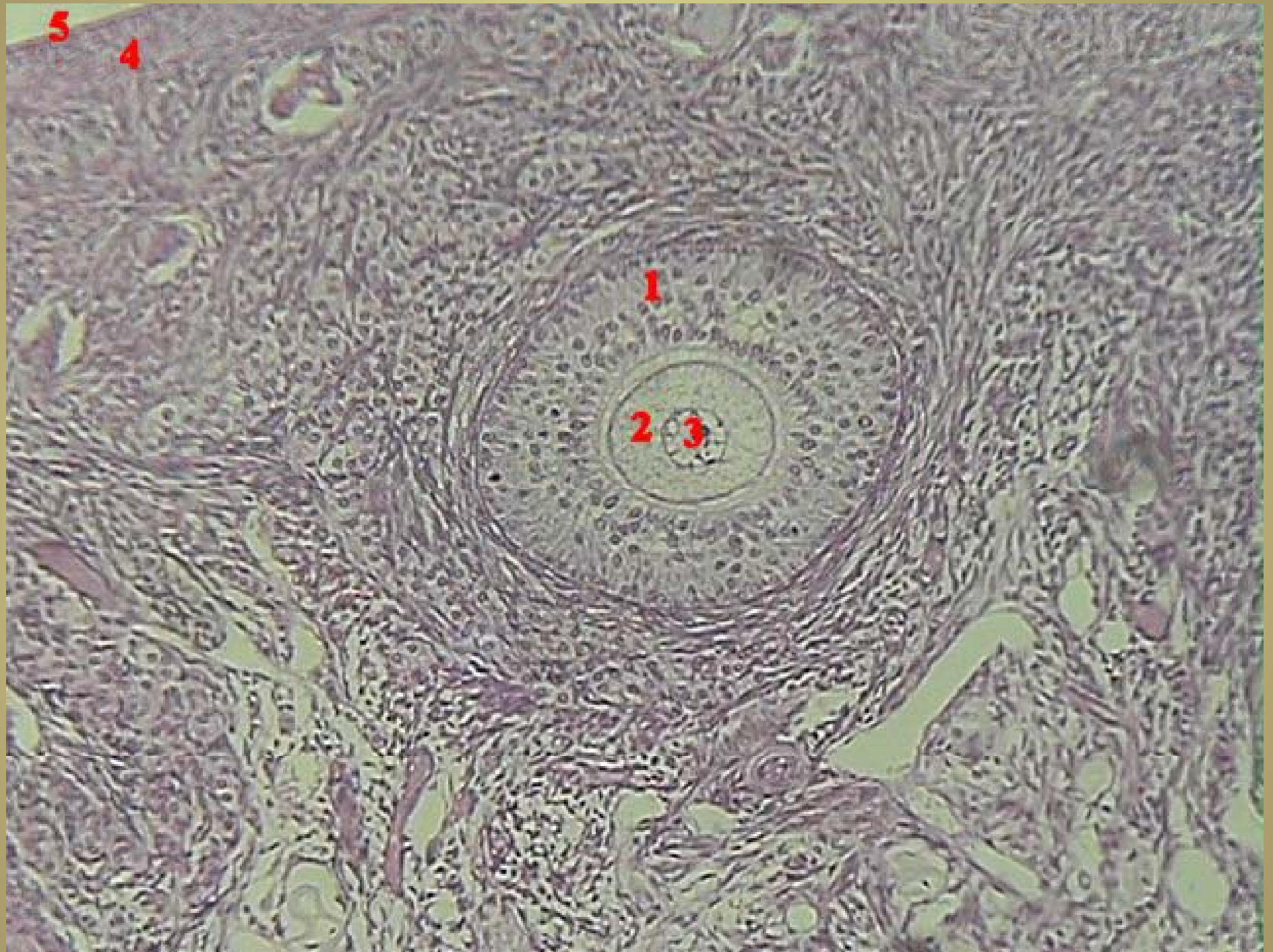




# Primordial follicles

1. Germinal epithelium
2. Tunica albuginea
3. Primordial follicles
4. Primary follicles



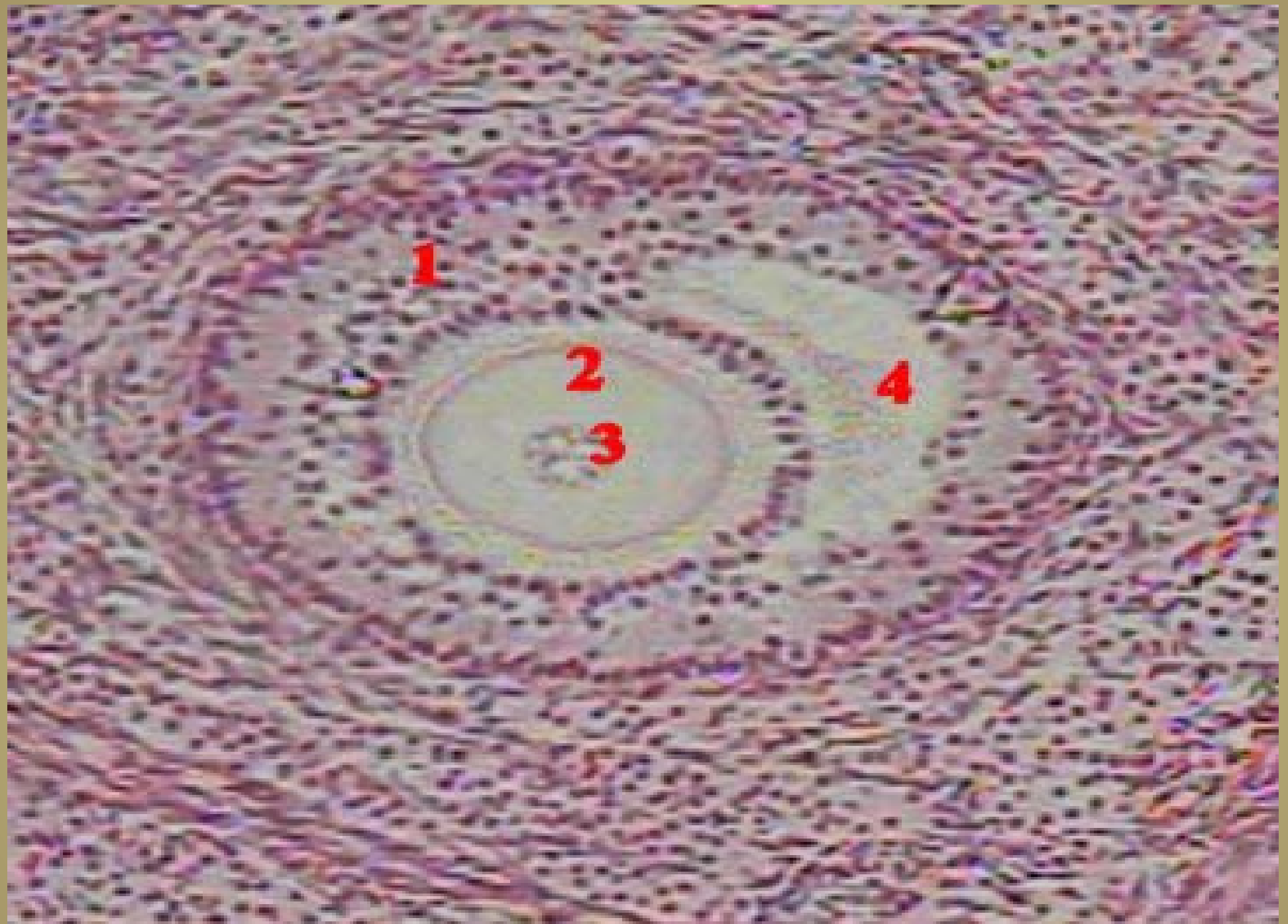




# Primary follicle

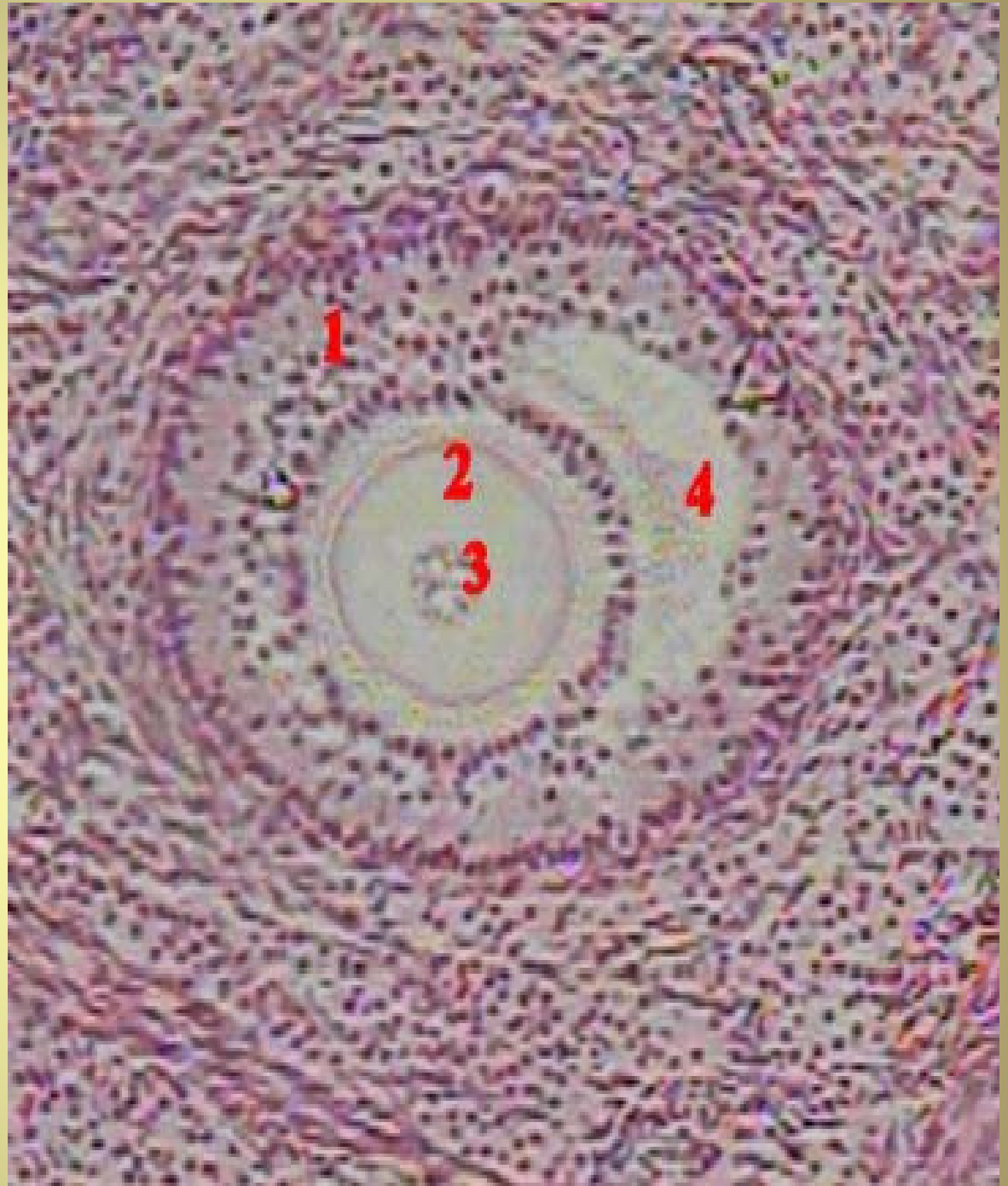
1. Granulosa cells
2. Primary oocyte
3. Diploid nucleus
4. Tunica albuginea
5. Germinal epithelium



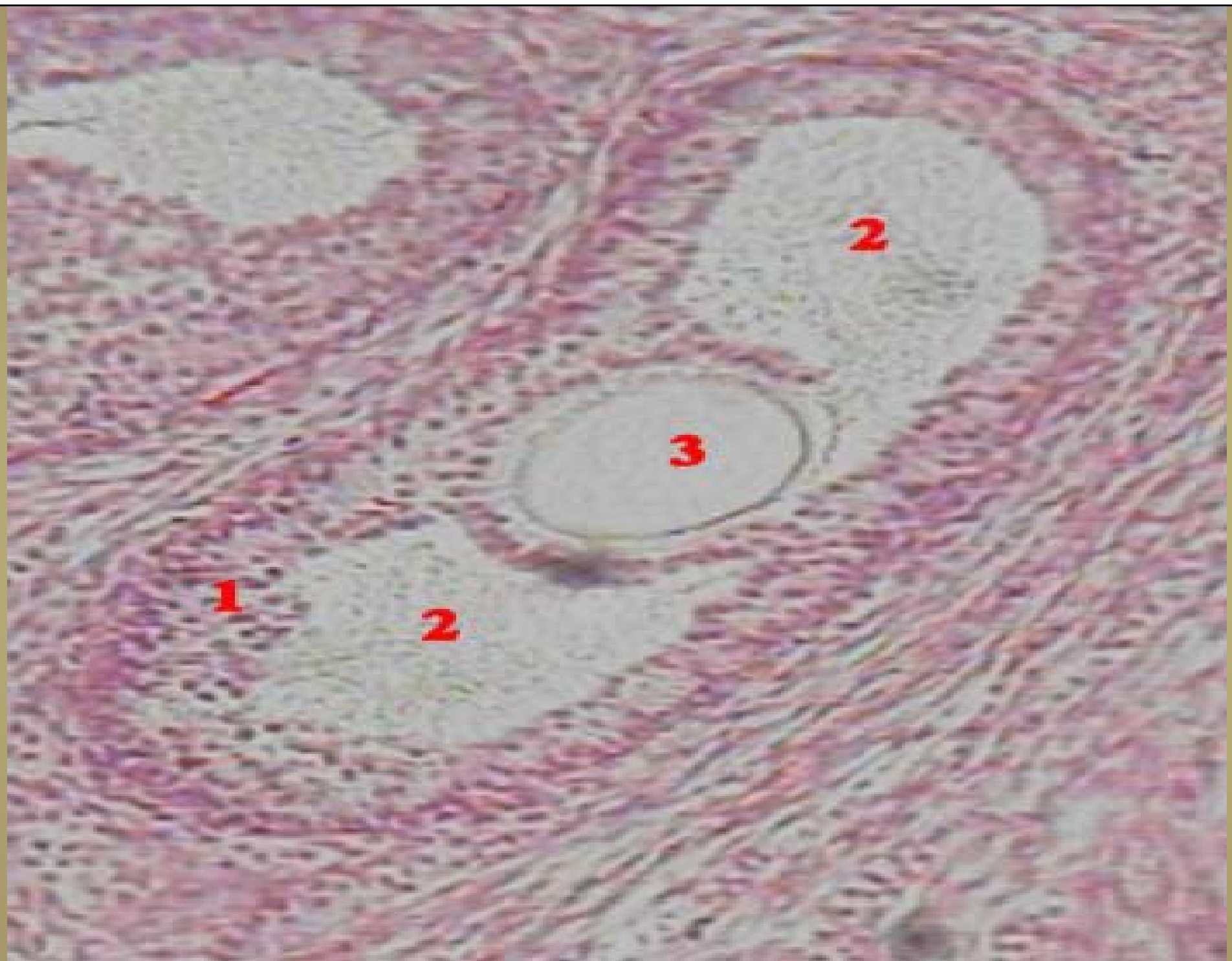


# Secondary follicle

1. Granulosa cells
2. Primary oocyte
3. Diploid nucleus
4. Developing antrum



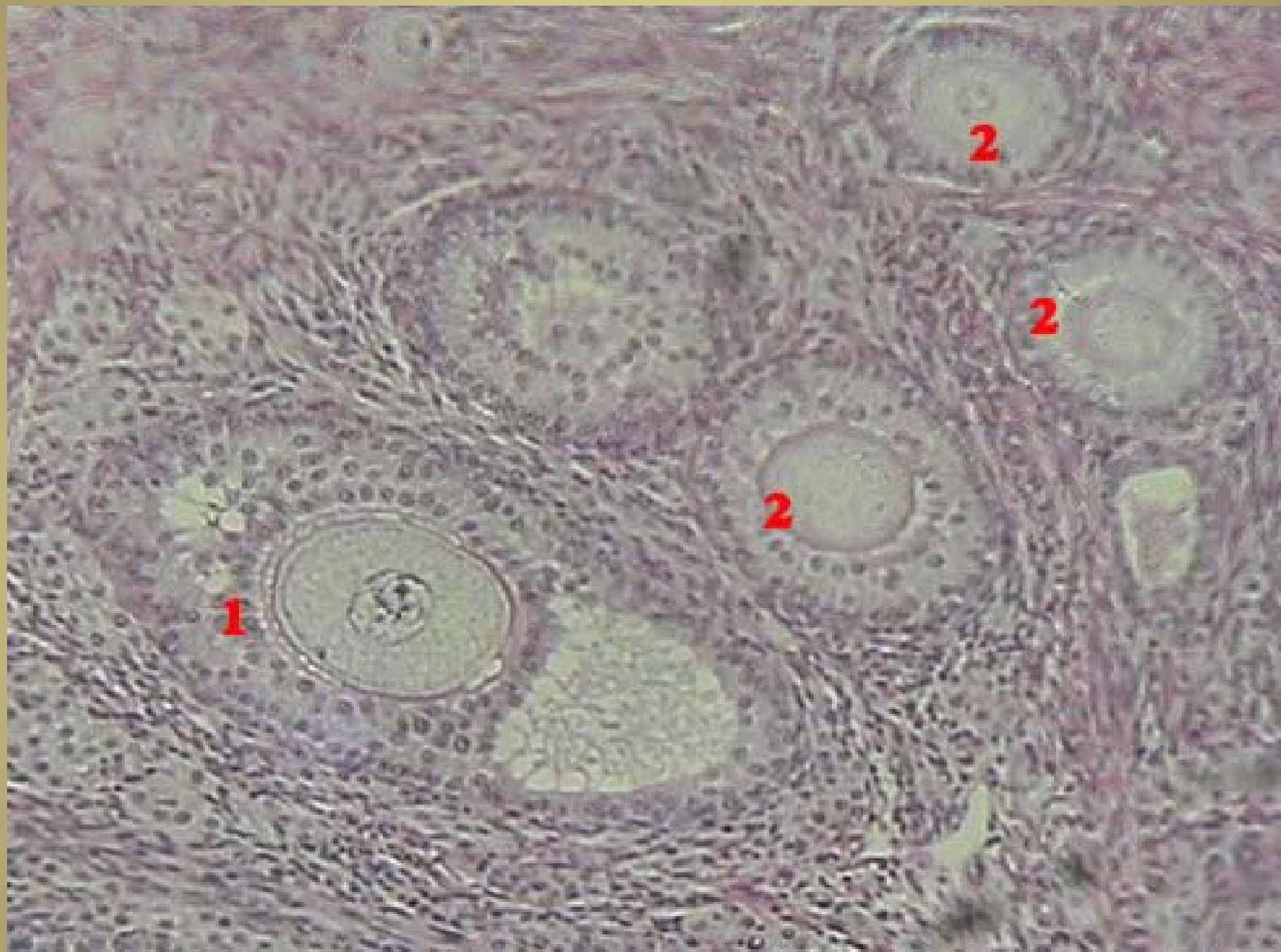




# Secondary follicle

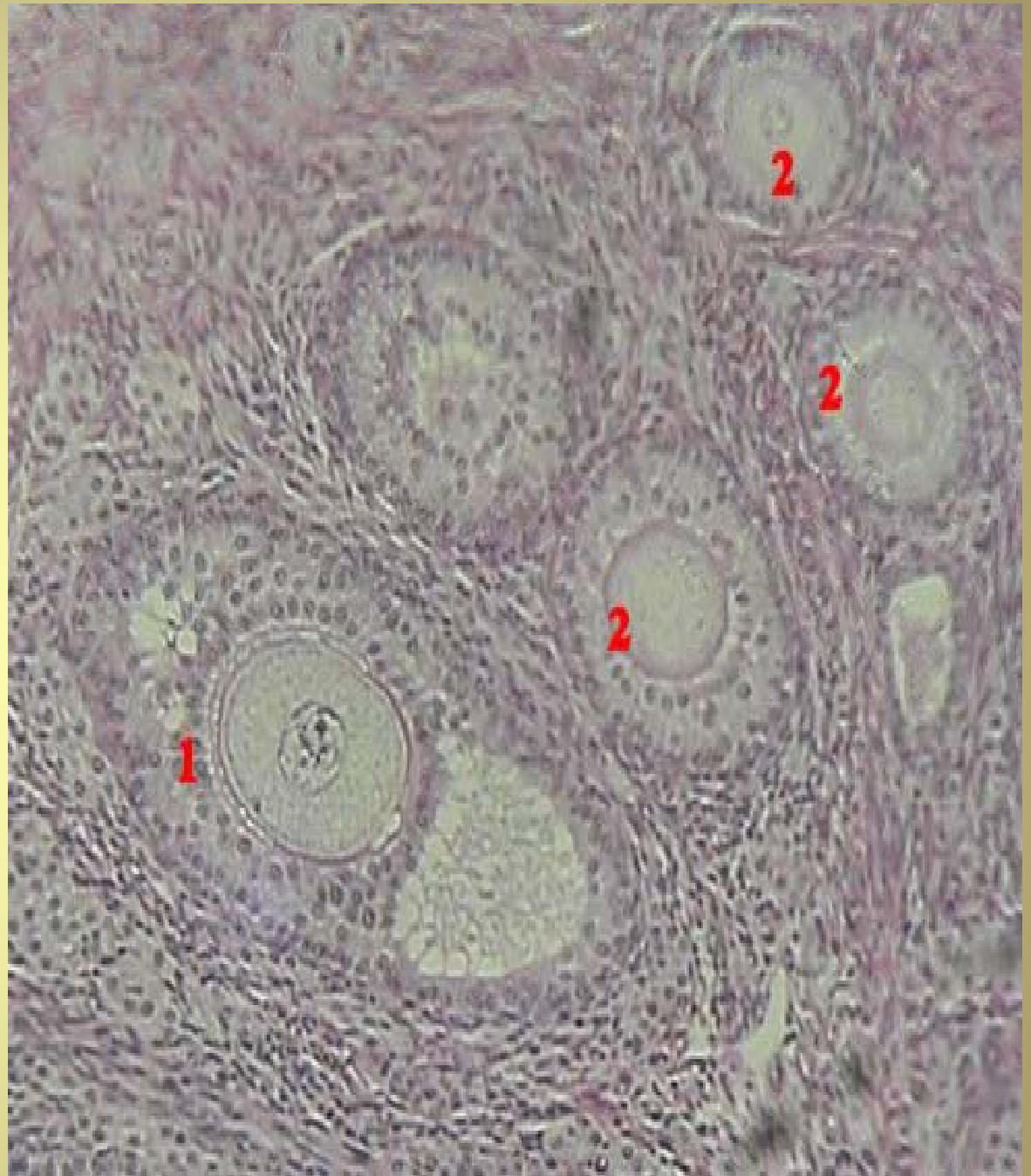
1. Granulosa cells
2. Developing antrum
3. Primary oocyte







Secondary follicle  
Primary follicles



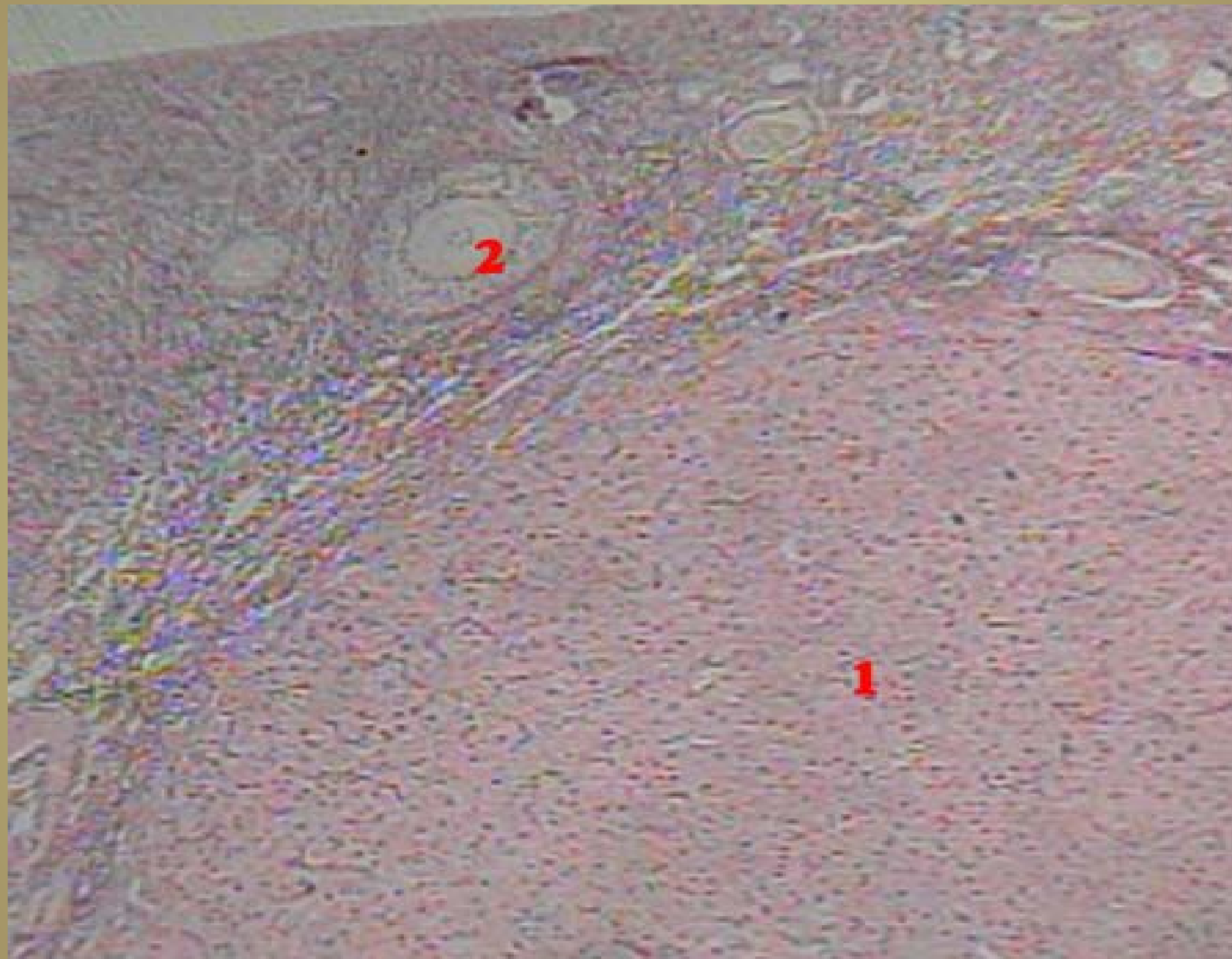


# Graafian follicle

1. Antrum
2. Granulosa cells
3. Corona radiata
4. Primary oocyte







# Corpus luteum

1. Corpus luteum
2. Primary follicle

