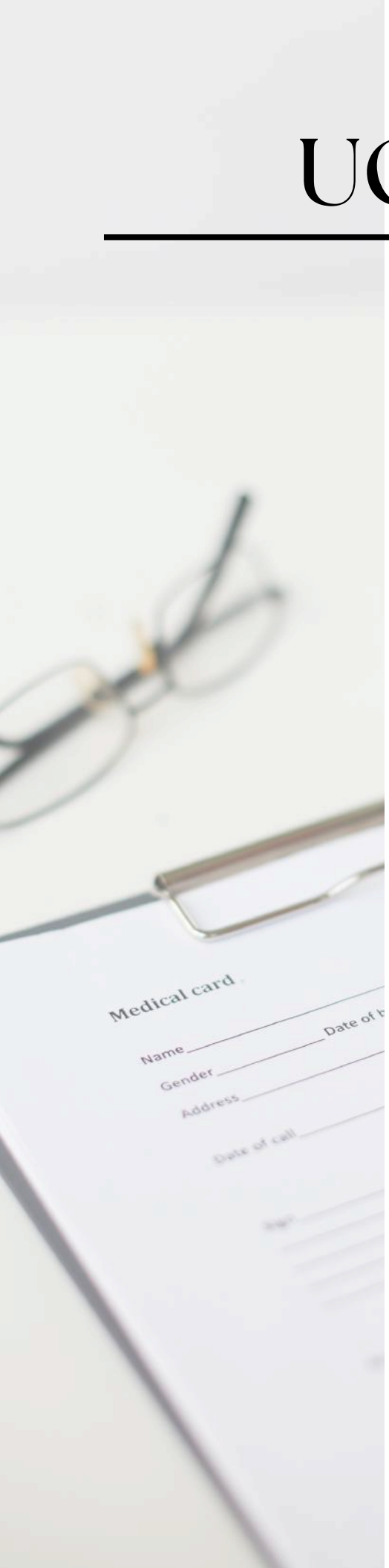
UGS-Histology



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Lecture 1

The Urinary System

Corrected by:

UGS-Histology Lecture 1

1)Choose the CORRECT match from the followings?

a.Macula densa ////// columnar cells lacking basement membrane found in wall of proximal convoluted tubules.

b.Mesangial cells ///// line parietal layer of Bowman's capsule.

c.Juxtaglomerular cells ///// modified smooth muscles in the wall of afferent arteriole.

d.Podocytes ////// separate from the basement membrane by capsular space.

e.Intercalated cells ///// cuboidal cells line the wall of the distal convoluted tubules.

Answer:c

2)All of the following is true about the glomerular capillaries, EXCEPT?

a.Low pressure capillary bed.

b.Drain into efferent arteriole.

c.Highly permeable with wide fenestrae.

d.Provide wide surface area for filtration.

e.Engulfed with bowman capsule.

Answer:a

3) Choose the INCORRECT statement from the followings?

a.The juxta-medullary nephrons have long loop of Henle

b.Lacis cells are key component in the blood renal barrier

c.The afferent arterioles have larger diameter and thicker media.

d.The glomerular capillaries lined with fenestrated endothelium.

e.The distal convoluted tubules lining epithelium has no brush border.

Answer:b

UGS-Histology Lecture 1

4)Which one of the following statements is CORRECT?

a.Podocytes line the visceral layer of Bowman's capsule and their cell body is separated from basement membrane by capsular space.

b.Distal convoluted tubules are lined by high cuboidal cells with apical brush border.

c.Juxtaglomerular cells are modified smooth muscle cells present in media of afferent arteriole.

d.Lacis cells are rich in renin granules.

e.The musclosa of the lower third of ureter is formed of two layers inner circular and outer longitudinal layers of smooth muscle.

Answer:c

5)which of these is incorrect?

Podocytes secret EPO

6)false match :

a.podocyte // vesciral layer of bowmans // secondary pedicles encircle slits.

b.DCT / 8-5 cuboudal layers // has no brush border.

c.lacis cells // blood barrier.

Answer:c