

# UGS-physiology

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Archive

Lecture 3

Renal clearance

Corrected by:

Raneem Ayed

1- About urea clearance, one is true?

- A) About 140/min
- B) reabsorbed partially by renal tubules
- C) neither reabsorbed or secreted
- D) amount excreted in urine more than filtrate

ANS: B

2- One is true about urea clearance:

- a. Freely filtered in glomeruli and is neither reabsorbed nor secreted
- b. Freely filtered and partially reabsorbed and not secreted
- c. Urea CL is normally about 140ml/min
- d. Amount excreted in urine > amount filtered

Ans: B

3- Regarding inulin clearance, all true except:

- A) concentration in plasma = its concentration in glomerular filtrate
- B) It is neither reabsorbed nor secreted in the renal tubules
- C) filtered/minute = the amount excreted in urine/minute.
- D) Determination of creatinine clearance can also be used for estimating RBF

Ans: D

4. Substance commonly used to measure RBF? Select one:

- a. Inuline
- b. Creatinine
- c. Glucose
- d. Para-amino-hippuric acid
- e. Amino acids

ANS: D

5. Glucose reabsorption is? Select one:

- a. Passive in the proximal convoluted tubules.
- b. By secondary active transport in the proximal convoluted tubules.
- c. Co transported with sodium at the basal border of proximal convoluted tubules.
- d. Has no tubular maximum.
- e. Passive in the distal convoluted tubules.

Ans: b

