

Structure of the urinary system

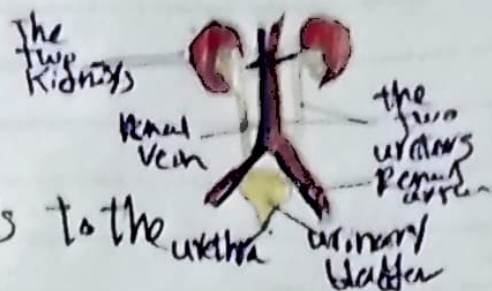
Structure

1) Two Kidneys

2) Two ureters which transfer urine from Kidneys to the bladder

3) urinary bladder which is muscular sac that stores urine.

4) urethra which is a sphincter that controls the opening and closing of the bladder



Urine excretion

The renal artery enters the Kidney at the concave surface and branches into arterioles and form blood capillaries called Glomerulus and urine excretion takes place through two processes which are:

1) Filtration Process: In Bowman's capsule, the plasma of the blood gets filtered out with its components from the blood to be passed in the nephric tubes

2) Selective reabsorption: the returning back of water, glucose and minerals that the body needs into the blood, while leaving back the wastes in form of urine

Urine components

- Excess water.
- uric acid

- urea
- ammonia

- inorganic salts
- Excess glucose and vitamins (small amounts)

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