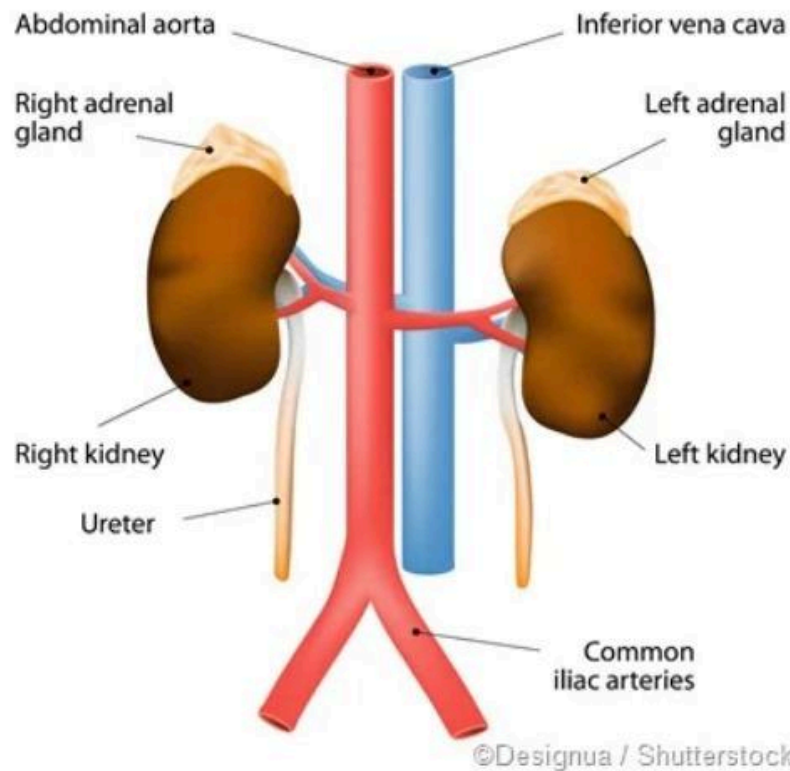


# KIDNEYS

## HUMAN KIDNEYS



Human kidneys are vital organs responsible for filtering waste products from the blood, regulating electrolyte balance, and maintaining fluid balance in the body. Each person typically has two kidneys, located on either side of the spine, just below the rib cage.

- **Renal Cortex:** The outer layer of the kidney where the glomeruli and convoluted tubules are located.
- **Renal Medulla:** The inner part of the kidney consisting of renal pyramids, where urine formation and concentration occur.
- **Renal Pelvis:** A funnel-shaped structure that collects urine from the kidney and funnels it into the ureter.
- **Renal Calyx:** Cup-like structures that collect urine from the renal pyramids and empty it into the renal pelvis.
- **Nephrons:** The functional units of the kidney, consisting of a glomerulus and a renal tubule. Nephrons filter blood and produce urine.

