

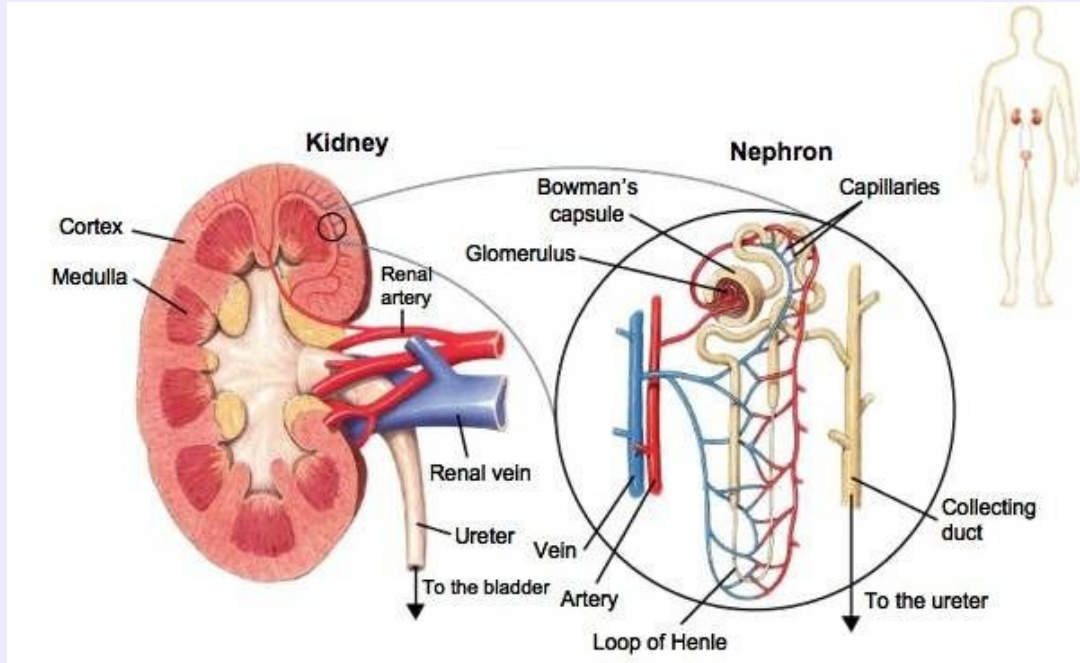


An Overview

- **Excretory System:** The group of organs that work together to remove waste from an organism.
- **Urinary System:** Filters waste products and excess water from the blood and excrete them from the body.
- Disorders of the urinary system include **kidney stones**, **kidney failure**, and **urinary tract infections**.
- Kidney **dialysis** is the process of filtering the blood of wastes using a machine.

The Excretory System

SOURCE

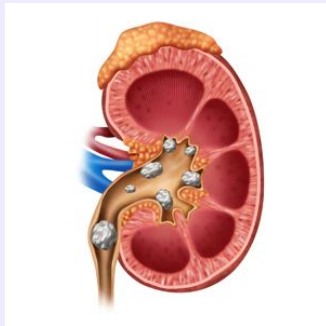




1. Kidney Stones

SOURCE

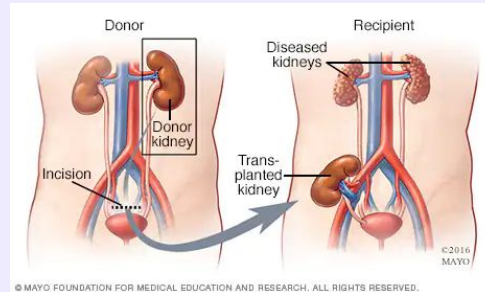
- A **mineral crystal** that forms in urine inside a kidney, often causing pain and possibly **blocking the ureter**. Kidney stones vary in size and shape.
- Kidney stones can form when substances in the urine, such as **calcium, oxalate, and phosphorus**, become highly concentrated



2. Kidney Failure

SOURCE

- Happens when the **kidneys cannot remove wastes** from the blood and the wastes build up in the body
- Can only be cured by a **kidney transplant**, but it can be treated with dialysis. In dialysis, blood is filtered by a machine.



3. UTIs

- **Urinary tract infections (UTIs)** are bacterial infections of any part of the urinary tract.
- When **bacteria** get into the bladder or kidney and produce more bacteria in the urine, they cause a UTI.
- The most common type of UTI is a **bladder infection**.
- Women get UTIs more often than men.
- UTIs are often treated with antibiotics.