

Renal System

The renal system consists of the kidneys, ureters, bladder and urethra, and, along with responsibility for removing nitrogenous waste, is the major system for regulation of fluid and electrolyte balance in the body. As such, it has a major effect on blood pressure regulation. This course will cover the normal function of the system at all levels, from the molecular to the organ level, as well as common and important abnormalities of both form and function. Diagnosis and treatment of disorders will be discussed as well. Clinical presentations selected for how common they are in the clinical setting and their effect on patients will frame the course.

Components of the Urinary System

Clinical Presentations

Hypertension

Fluid and Electrolyte Disturbances

Acid/Base Disorders

Edema

Polyuria and Dysuria

Renal Calculi

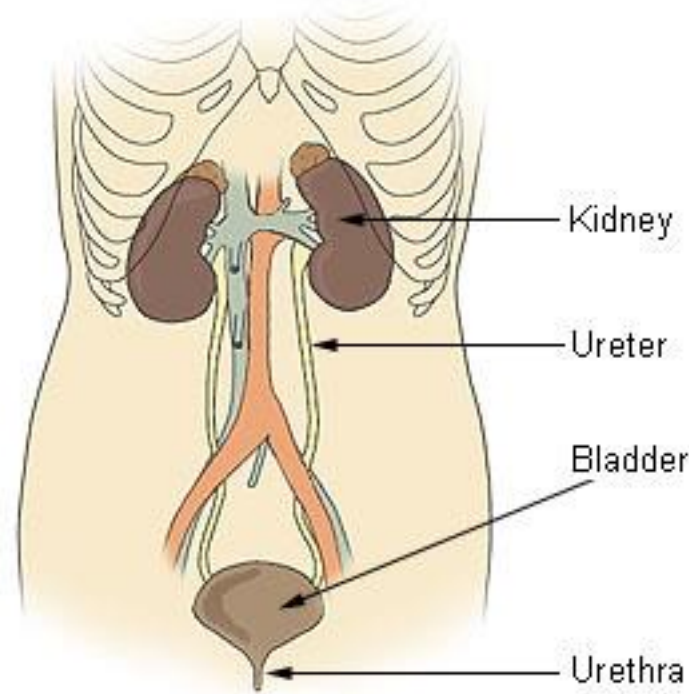
Renal Mass

Proteinuria

Hematuria

Acute Renal Failure

Chronic Renal Failure



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