Mindluster Platform

About the course Proximal Convoluted Tubule Disorders

Proximal Convoluted Tubule course, in this course we delve into the anatomy, physiology, and functions of the proximal convoluted tubule (PCT) in the nephron. Understanding the intricate mechanisms of solute and water transport, reabsorption, and secretion in the PCT is essential for grasping renal physiology. We'll explore the regulation of ion and water balance, as well as the role of the PCT in acid-base regulation and glucose handling. Additionally, we'll examine disorders affecting the PCT and their clinical implications. Through comprehensive study, we'll unravel the complexities of the proximal convoluted tubule and its significance in renal function and homeostasis.

Medical Category's Courses

Course Lesson(9)

Lesson 1 : **Renal Kidney Anatomy Model**

Lesson 2 : **Renal Glomerular Filtration**

Lesson 3 : **Renal Proximal Convoluted Tubule**

Lesson 4 : **Renal Loop of Henle**

Lesson 5 : **Renal Distal Convoluted Tubule**

Lesson 6 : **Renal The Collecting Duct**

Lesson 7 : **Renal Filtration Reabsorption and Secretion Overview**

Lesson 8 : **Renal Autoregulation Updated**

Lesson 9 : **Renal Micturition Reflex**

Related courses

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