

<<vander肾脏生理学 Vander ' >>

图书基本信息

书名：<<vander肾脏生理学 Vander ' s Renal Physiology>>

13位ISBN编号：9780071357289

10位ISBN编号：0071357289

出版时间：2002-2

出版时间：McGraw-Hill Medical

作者：Douglas Eaton

页数：214

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

内容概要

This concise overview of renal physiology introduces basic science principles and their relevance in the clinical expression of disease. Each chapter incorporates a wealth of pedagogical aids including: study questions, learning objectives, and clinical examples. Also serves as a good review for the USMLE Step 1. 作者简介：

Douglas C. Eaton, Ph.D.: Distinguished Professor, Department of Physiology; and Director, Center for Cell and Molecular Signaling, Emory University Medical School, Atlanta John Pooler, Ph.D.: Associate Professor of Physiology, Department of Physiology, Emory University Medical School, Atlanta .

书籍目录

Preface Chapter 1 Renal Functions, Anatomy, and Basic Processes Functions Anatomy of the Kidneys and Urinary System The Nephron Blood Supply to the Nephrons Basic Renal Processes Chapter 2 Renal Blood Flow and Glomerular Filtration Glomerular Filtration and Renal Blood Flow Flow, Resistance, and Pressure in The Kidneys Glomerular Filtration Autoregulation Chapter 3 Clearance Clearance Units Plasma Creatinine and Urea Concentrations as Indicators of GFR Changes Chapter 4 Basic Transport Mechanisms Crossing the Epithelial Barriers Receptor-Mediated Endocytosis and Transcytosis Transport Mechanisms in Reabsorption Chapter 5 Renal Handling of Organic Substances Active Proximal Reabsorption of Organic Nutrients (Eg, Glucose, Amino Acids) Proteins and Peptides Active Proximal Secretion of Organic Anions Active Proximal Secretion of Organic Cations pH Dependence of Passive Reabsorption or Secretion Urea Chapter 6 Basic Renal Processes for Sodium, Chloride, and Water Overview Individual Tubular Segments Urinary Concentration: The Medullary Osmotic Gradient Chapter 7 Control of Sodium and Water Excretion: Regulation of Plasma Volume and Plasma Osmolality and Renal Control of Systemic Blood Pressure Regulation of Blood Pressure Contribution of The Kidney to The Long-Term Regulation of Blood Pressure Control of Sodium Balance Control of Water Excretion Chapter 8 Renal Regulation of Potassium Balance Regulation of Potassium Between the Intracellular and Extracellular Compartments Renal Potassium Handling Chapter 9 Regulation of Hydrogen Ion balance Guidelines for Studying Acid-Base Biology Renal Handling of Acids and Bases Renal Excretion of Acid and Base Hydrogen Ion Excretion on Urinary Buffers Phosphate and Organic Acids as Buffers Hydrogen Ion Excretion on Ammonium Quantification of Renal Acid-Base Excretion Regulation of the Renal Handling of Acids and Bases Control of Renal Glutamine Metabolism and NH₄ Excretion Intravenous Solutions: Lactated Ringer's Specific Categories of Acid-Base Disorders Renal Response to Metabolic Acidosis and Alkalosis Factors Causing the Kidneys to Generate or Maintain A Metabolic Alkalosis Chapter 10 Regulation of Calcium and phosphate Balance Effector Sites for Calcium Balance Hormonal Control of Effector Sites Overview of Renal Phosphate Handling Answers to Study Questions Appendix A Appendix B Index

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>