

Fundamentals of Pathophysiology: Disorders and Alteration in Acid Balance

Natalia Foley

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This audio book on CDs provides an easy way for students to review a list of key terms and concepts of pathophysiology. It truly offers the most comprehensive and easy accessible supplement to your independent study for the final exams as well as for the Board exam. Topics covered: Mechanisms of Acid-Base Balance; Acid-Base Chemistry; Metabolic Acid and Bicarbonate Production; Carbon Dioxide and Bicarbonate Production; Production of Metabolic Acids; Calculation of pH; Regulation of pH; Intracellular and Extracellular Buffer Systems; Protein Buffer Systems; Bicarbonate Buffer System; Plasma Potassium-Hydrogen Exchange; Respiratory Control Mechanisms; Renal Control Mechanisms; Hydrogen Ion Elimination and Bicarbonate Conservation; Tubular Buffering Systems; Hydrogen and Potassium Ions Compete for Elimination in the Urine; Influence of Sodium Chloride-Bicarbonate Exchange on pH; Carbon Dioxide and Bicarbonate Levels; Base Excess or Deficit; Anion Gap; Alterations in Acid-Base Balance; Metabolic Versus Respiratory Acid-Base Disorders; Primary Versus Compensatory Mechanisms; Metabolic Acidosis; Lactic Acidosis; Ketoacidosis; Salicylate Toxicity; Decreased Renal Function; Increased Bicarbonate Losses; Hyperchloremic Acidosis; Metabolic Alkalosis; Hydrogen, Chloride, and Potassium Ion Loss Associated With

Bicarbonate Ion Retention; Volume Contraction Leading to Sustained Metabolic Alkalosis; Respiratory Acidosis;
Respiratory Alkalosis