Mindluster Platform

About the course Hyperkalemia Causes and Treatment

Hyperkalemia Causes course, in this course we will comprehensively explore the various factors and conditions leading to hyperkalemia, a medical condition characterized by elevated levels of potassium in the blood. Students will delve into the pathophysiology underlying hyperkalemia, including impaired renal excretion, excessive potassium intake, and shifts of potassium from intracellular to extracellular compartments. Through case studies and clinical examples, participants will gain insights into the diverse range of etiologies, such as renal dysfunction, medications (e.g., ACE inhibitors, potassium-sparing diuretics), metabolic acidosis, tissue injury, and endocrine disorders (e.g., adrenal insufficiency). Additionally, the course will cover diagnostic approaches, treatment strategies, and preventive measures aimed at managing hyperkalemia and its underlying causes effectively. By the end of the course, students will possess a comprehensive understanding of hyperkalemia's multifactorial nature and its clinical implications.

Medical Category's Courses

Course Lesson(79)

Lesson 1 : **Cardiovascular System Overview Animation**

Lesson 2 :
CARDIOVASCULAR SYSTEM REVIEW 1 ALL ABOUT the BLOOD in less than 8 min Animation

Lesson 3 :
CARDIOVASCULAR SYSTEM REVIEW 2 ALL ABOUT HEART in less than 10 min Animation

Lesson 4 :
CARDIOVASCULAR REVIEW 3 CONTROL of BLOOD PRESSURE ALL MECHANISMS Animation

Lesson 5 : **NEW INTERACTIVE VIDEO Heart Anatomy and Blood Flow**

Lesson 6 : **The Pathway of Blood Flow Through the Heart Animation**

Lesson 7 : **Cardiac Action Potential Animation**

Lesson 8 : **Cardiac Conduction System and Understanding ECG Animation**

Lesson 9 : **NEW INTERACTIVE VIDEO Cardiac Conduction System and Understanding ECG EKG**

Lesson 10 : **Correlation between Cardiac Action Potential and ECG Animation**

Lesson 11 : **12 Lead ECG Explained Animation**

Lesson 12 : **How to Read ECG EKG Part 1 Animation**

Lesson 13 : **How to Read ECG EKG Part 2 Animation**

Lesson 14 : **Cardiac Arrhythmias Animation**

Lesson 15 : **Antiarrhythmic Drugs Animation**

Lesson 16 : **Cardioversion Electrical Procedure Animation**

Lesson 17 : **Cardiac Axis Interpretation Animation**

Lesson 18 : **Sinus Node Dysfunction Animation**

Lesson 19 : **Heart Blocks Anatomy and ECG Reading Animation**

Lesson 20 : **Bundle Branch Block Animation**

Lesson 21 : **Fascicular Blocks Animation**

Lesson 22 :
Understanding ECG EKG QRS Transitional Zone and R Wave Progression Explained Animation

Lesson 23 : **Supraventricular Tachycardia SVT PSVT Animation**

Lesson 24 : **Premature Atrial Contractions PACs Animation**

Lesson 25 : **Premature Ventricular Contractions PVCs Animation**

Lesson 26 : **Wandering Atrial Pacemaker WAP Multifocal Atrial Tachycardia MAT**

Lesson 27 : **Wolff Parkinson White Syndrome Pathophysiology Pre Excitation and AVRT Animation**

Lesson 28 : **Long QT Syndrome and Torsades de Pointes Animation**

Lesson 29 : **Hyperkalemia Causes Effects on the Heart Pathophysiology Treatment Animation**

Lesson 30 : **Hypokalemia Causes Symptoms Effects on the Heart Pathophysiology Animation**

Lesson 31 : **Coronary Circulation and Revascularization Animation**

Lesson 32 : **Myocardial Infarction and Coronary Angioplasty Treatment Animation**

Lesson 33 : **Angina Stable Unstable Microvascular and Prinzmetal Animation**

Lesson 34 : **Pharmacology Antianginal Drugs Animation**

Lesson 35 : **Acute Coronary Syndrome Unstable Angina NSTEMI and STEMI Heart Attack Animation**

Lesson 36 : **Calcium Score Heart Scan Animation**

Lesson 37 :
Cardiac Tamponade Pathophysiology Etiology Symptoms Diagnosis and Management Animation

Lesson 38 : **Pericarditis Symptoms Pathophysiology Causes Diagnosis and Treatments Animation**

Lesson 39 : **Infective Endocarditis Animation**

Lesson 40 :
Peripheral artery disease Pathophysiology Causes Symptoms Diagnosis and Treatments Animation

Lesson 41 : **Heart Sounds and Heart Murmurs Animation**

Lesson 42 : **The Cardiac Cycle Animation**

Lesson 43 : **Cardiac Output Stroke volume EDV ESV Ejection Fraction**

Lesson 44 : **Mechanisms of Venous Return Animation**

Lesson 45 : **How Respiratory Pump Affects Venous Return Animation**

Lesson 46 : **Jugular Venous Pressure Animation**

Lesson 47 : **Congestive Heart Failure Left sided vs Right sided Systolic vs Diastolic Animation**

Lesson 48 : **Pharmacology Drugs for Heart Failure Animation**

Lesson 49 : **Inotropes Modes of Action Animation**

Lesson 50 : **Pulmonary Hypertension Animation**

Lesson 51 : **Baroreflex Regulation of Blood Pressure Animation**

Lesson 52 : **The Reninâ€“Angiotensinâ€“Aldosterone System RAAS Animation**

Lesson 53 : **Autoregulation of Blood Flow Animation**

Lesson 54 : **Hypertension High Blood Pressure Animation**

Lesson 55 : **Antihypertensive Medications Pharmacology Animation**

Lesson 56 : **Diuretics Mechanism of Action of Different Classes of Diuretics Animation**

Lesson 57 : **Shock Pathology of Different Types Animation**

Lesson 58 : **Sepsis and Septic Shock Animation**

Lesson 59 : **Atrial Septal Defect ASD Animation**

Lesson 60 : **Ventricular Septal Defect Animation**

Lesson 61 : **Congenital Heart Disease Tetralogy of Fallot Animation**

Lesson 62 : **Cardiomyopathy animation**

Lesson 63 : **Mitral Valve Prolapse and Regurgitation Animation**

Lesson 64 : **Mitral Valve Stenosis Animation**

Lesson 65 : **Aortic Valve Disease Animation**

Lesson 66 : **How Red Blood Cell Carry Oxygen and Carbon Dioxide Animation**

Lesson 67 : **Red Blood Cell Life Cycle and Disorders Animation**

Lesson 68 : **Sickle Cell Disease Animation**

Lesson 69 :
Thalassemia Alpha Beta Thalassemias Genetics Pathophysiology Diagnosis Treatment Animation

Lesson 70 : **Hematopoiesis Formation of Blood Cells Animation**

Lesson 71 : **Hemolytic Disease of the Newborn HDN Animation**

Lesson 72 : **Hemostasis Control of Bleeding Coagulation and Thrombosis Animation**

Lesson 73 : **Pharmacology Anticoagulants Animation**

Lesson 74 : **Pharmacology Thrombolytic Fibrinolytic Drugs Animation**

Lesson 75 : **Capillary Exchange and Edema Animation**

Lesson 76 : **Portal Venous Systems Hepatic Portal System and Liver Functions Animation**

Lesson 77 : **Portal Hypertension Animation**

Lesson 78 : **Water and Sodium Balance Hypernatremia and Hyponatremia Animation**

Lesson 79 : **Thoracic Outlet Syndrome TOS Animation**

Related courses

Infection Control

Male Reproductive

Anatomy

Pharynx

Endocrine

General Embryology



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