CTE: Healthcare

Overview:

In one of our deepest experiences yet, this Career and Technical Education (CTE) module introduces you to many potential healthcare concepts, responsibilities, and tools a Medical Assistant may need. As you explore the different rooms in this hospital-themed environment you will learn about various organ systems, practice providing different patient examinations such as an electrocardiogram and lung spirometry tests, examine different biomedical devices, provide first aid and learn to control bleeding, and see how to keep everyone safe with Personal Protection Equipment.

Gameplay Instructions

Getting Started

For this exercise, you will be exploring multiple rooms in a large hospital-themed environment where you may approach the floating instruction boxes and interact with them using your hand cursors to get step-by-step directions for how to navigate the different learning modules. You will have the chance to:

1. Provide a Vision Test
2. Provide a Lung Spirometry Test
3. Learn the Anatomy of the Lungs
4. Learn the Anatomy of the Heart
5. Study the Traits and Processes of the Cardiovascular and Pulmonary Systems
6. Practice the Process to Remove Sutures
7. Practice How to use Personal Protection Equipment
8. Provide First Aid and Antiseptic Care

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9. Administer an Electrocardiogram (ECG)
10. Study How to Control Bleeding using Pressure Points
11. Provide Oxygen or Medication using a Nebulizer
12. Examine the Uses of Common Biomedical Devices including an X-Ray Machine, an Autoclave, a Centrifuge, a Microscope, and an Incubator

Titles and Simulations

Communications
Medical Terms
Medical Records
Health Insurance
Patient Appointment Logs
Billing
Measuring Height and Weight
Arithmetic for Medicine
Converting Units of Measurement
Body Parts
Anatomy, Physiology, and Pathology
Delivery System
Emergency Medical System
Medical Instruments
Drug Classifications
Controlled Substances
Intradermal Testing
Eyes and Ear Irrigation
Suture and Staple Removal
Suture Removal Sim
Burns
Nebulizer Treatments
Nebulizer Sim
Types of Diagnostic Tests
Lab Spirometry Sim
Measuring Pulse and Blood Pressure
Cardiovascular Testing
ECG Simulation
Collecting and Preparing Specimens
Biomedical Equipment Usage and Maintenance
Biomed Equipment Sim
Hematology Procedures
Pulmonary Function Testing
Body Parts: Hematology & Pulmonary Sim
Vision Screening
Vision Test Sim
HIPAA Regulations
Patient Rights
Good Samaritan Law
Interdisciplinary Team
Legal Documents
Professional Standards
Medication Safety
Testing Hearing
Testing Reflexes
First Aid
First Aid Sim
Aseptic Techniques
Dressing Changes
Immobilization and Casts
Priority of Emergency Care
Prepping a Room for Examinations
Prepping a Patient for Examinations
Assisting Patients
Vital Signs
Documentation and charting
Medication Dosages
Drug Administration
CPR/AED
Control Bleeding
Bleeding Control Sim
Choking
Urinary Catheterization
Nutrition
Holistic Modalities
Growth and Development
Assistive Devices
Discharge
Assessment Plan
Special Consideration
Handwashing
Protective Equipment
PPE Sim
Body Mechanics
OSHA Standards
Infection Control
Safety Data Sheets
Contaminated Materials

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Poisoning

Blood Borne Pathogens

Blood Borne Pathogens

HIV/AIDS