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# NURSING



**5**

Topics



**450+**

Lessons



**69**

Scientist-In-Action  
Videos



## Core Learning Objectives

Demonstrate professional standards of moral, ethical, and legal conduct.

Communicate and collaborate with members of the healthcare team to optimize patient outcomes.

Demonstrate caring behaviors that reflect sensitivity to the cultural and spiritual needs of patients.

Identify healthy self-care behaviors and commit to continuous professional growth.

Explore the structure, function and types of health care organizations.

Use critical thinking skills as a framework for clinical decision-making.

# 01

## JoVE Core: Nursing

### List of Chapters

- 1.1 Introduction To Nursing
- 1.2 Introduction To Health
- 1.3 Healthcare Delivery Systems
- 1.4 Communication
- 1.5 Infection Prevention And Control
- 1.6 The Nursing Process I
- 1.7 The Nursing Process Ii
- 1.8 The Nursing Process Iii
- 1.9 Documentation And Reporting
- 1.10 Ethical And Legal Aspects In Nursing
- 1.11 Vital Signs: Temperature
- 1.12 Vital Signs: Pulse
- 1.13 Vital Signs: Respiration
- 1.14 Vital Signs: Blood Pressure

# 02

## JoVE Core: Pharmacology

### List of Chapters

- 2.1 General Pharmacological Principles
- 2.2 Adverse Drug Effects And Chemical Toxicity
- 2.3 Pharmacokinetics
- 2.4 Pharmacodynamics
- 2.5 Drugs Acting On Autonomic Nervous System:  
Cholinergic Agonists And Antagonists Agents
- 2.6 Drugs Acting On Autonomic Nervous System:  
Adrenergic Agonists And Antagonists Agents
- 2.7 Skeletal Muscle Relaxants
- 2.8 Local Anesthetics
- 2.9 Cardiovascular Drugs: Antihypertensive Drugs
- 2.10 Cardiovascular Drugs: Antiarrhythmic And  
Heart Failure Drugs
- 2.11 Cardiovascular Drugs: Anticoagulants And  
Antianginal Agents

# 03

## Engineering

### List of Topics

- 3.1 Biomedical Engineering

# 04

## Clinical Skills

### List of Topics

- 4.1 Physical Examination I
- 4.2 Physical Examination II
- 4.3 Physical Examination III
- 4.4 Physical Examination IV
- 4.5 Emergency Medicine and Critical Care
- 4.6 Nursing Skills
- 4.7 Coronavirus / COVID-19 Procedures

# 05

## Medical Surgical - Surgical Nursing

### List of Topics

- 5.1 An Overview of the Respiratory System: Anatomy, Physiology, Assessment, and Abnormalities
- 5.2 Upper Respiratory Tract Infections
- 5.3 Lower Respiratory Tract Infections
- 5.4 Obstructive Pulmonary Diseases
- 5.5 Chest Injuries
- 5.6 Diagnostic Studies of Respiratory System
- 5.7 Fundamentals of Respiratory Care: Techniques and Management
- 5.8 An Overview of the Gastrointestinal System: Anatomy, Physiology, and Assessment
- 5.9 Disorders of the Esophagus
- 5.10 Gastric and Duodenal Disorders
- 5.11 Intestinal and Rectal Disorders
- 5.12 Diagnostic and Radiological Studies of the GI System
- 5.13 An Overview of the Cardiovascular System: Anatomy, Physiology, Assessment, and Abnormalities
- 5.14 Cardiovascular Diagnostic Studies and Procedures

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