

Case Study 35: Emergency Nursing – Chest Trauma

You are the trauma nurse working in the emergency department (ED) of a busy tertiary care facility. You receive a call from the paramedics that they are en route with the victim of gunshot wounds to the chest and abdomen. Perpetrators shot the 32-year-old man during a convenience store robbery. The victim was a customer; the clerk died at the scene. They started 2 16-gauge IVlines with lactated Ringer's solution and oxygen by nonrebreather mask at 15 L/min. The patienthas a sucking chest wound on the left and a wound in the right upper quadrant of the abdomen.

Vital signs in the field are 90/46, 140, and 42. The paramedics state they are having difficulty ventilating the patient, who is diaphoretic, very pale, and lethargic. The estimated time of arrivalis 4 minutes.

1. To help determine the extent of the patient's injuries, the most important question the nurseneeds to ask the paramedics is **a. "How long ago was the patient shot?"** b. "Do you have the weapon that was used?" c. "What was the reason this incident occurred?" d. "Where are the assumed entry and exit wounds?"
2. Describe a sucking chest wound. Air can enter the pleural space through the chest wall duringinspiration due to a penetrating chest wound
3. What are the classic assessment findings associated with a sucking chest wound?
 - Respiratory: Dyspnea, respiratory distress; cough with or without hemoptysis; cyanosisof mouth, face, nail beds, mucous membranes; tracheal deviation, audible air escaping from chest wound; decreased breath sounds; frothy secretions.

Emergency Case Study Scenarios For Nurses

Ying Liu



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Table of Contents Emergency Case Study Scenarios For Nurses

1. Understanding the eBook Emergency Case Study Scenarios For Nurses
 - The Rise of Digital Reading Emergency Case Study Scenarios For Nurses
 - Advantages of eBooks Over Traditional Books
2. Identifying Emergency Case Study Scenarios For Nurses
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Emergency Case Study Scenarios For Nurses
 - User-Friendly Interface
4. Exploring eBook Recommendations from Emergency Case Study Scenarios For Nurses
 - Personalized Recommendations
 - Emergency Case Study Scenarios For Nurses User Reviews and Ratings
 - Emergency Case Study Scenarios For Nurses and Bestseller Lists
5. Accessing Emergency Case Study Scenarios For Nurses Free and Paid eBooks
 - Emergency Case Study Scenarios For Nurses Public Domain eBooks
 - Emergency Case Study Scenarios For Nurses eBook Subscription Services
 - Emergency Case Study Scenarios For Nurses Budget-Friendly Options

6. Navigating Emergency Case Study Scenarios For Nurses eBook Formats
 - ePub, PDF, MOBI, and More
 - Emergency Case Study Scenarios For Nurses Compatibility with Devices
 - Emergency Case Study Scenarios For Nurses Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Emergency Case Study Scenarios For Nurses
 - Highlighting and Note-Taking Emergency Case Study Scenarios For Nurses
 - Interactive Elements Emergency Case Study Scenarios For Nurses
8. Staying Engaged with Emergency Case Study Scenarios For Nurses
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Emergency Case Study Scenarios For Nurses
9. Balancing eBooks and Physical Books Emergency Case Study Scenarios For Nurses
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Emergency Case Study Scenarios For Nurses
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Emergency Case Study Scenarios For Nurses
 - Setting Reading Goals Emergency Case Study Scenarios For Nurses
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Emergency Case Study Scenarios For Nurses
 - Fact-Checking eBook Content of Emergency Case Study Scenarios For Nurses
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

- Interactive and Gamified eBooks

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