

The Current Violence Risk Assessment Methods in Emergency Care Setting

Warren J. Kraft*

Clinical Epidemiology Program, Otta Hospital Research Institute, Otta, Canada

Abstract

The topic "Emergency and Acute Care Setting" would summarize the key points discussed in the article. The emergency and acute care settings are critical components of the healthcare system, providing immediate medical attention to individuals with urgent medical conditions. These settings, including emergency departments and acute care units, aim to stabilize patients and prevent further deterioration. They are staffed by highly skilled healthcare professionals and equipped with the necessary resources to address a wide range of emergencies. Standardized protocols and guidelines ensure efficient and effective care delivery. Challenges such as overcrowding and resource limitations have prompted healthcare systems to implement strategies for optimizing care. Overall, emergency and acute care settings play a vital role in saving lives and improving patient outcomes during critical situations.

Keywords: Emergency care; Acute care; Cardiac rhythm; Cardiopulmonary resuscitation

Introduction

Emergency and acute care settings play a critical role in the healthcare system, providing immediate medical attention to individuals with urgent medical conditions. These settings are designed to handle a wide range of emergencies, from life-threatening injuries and illnesses to acute medical conditions that require prompt assessment, diagnosis, and treatment. The primary objective of emergency and acute care settings is to stabilize patients and prevent further deterioration of their condition. This includes providing timely interventions, such as resuscitation, pain management, and diagnostic procedures, to address immediate health concerns [1]. These settings are staffed by highly skilled healthcare professionals, including emergency physicians, nurses, paramedics, and other specialists trained in handling emergencies [2].

Emergency departments (EDs) are typically the first point of contact for individuals seeking urgent medical care. They are equipped to manage a broad spectrum of conditions, ranging from minor injuries and illnesses to major trauma cases. EDs operate 24/7 and are designed to provide rapid assessment, triage, and treatment to patients. They may also have specialized areas such as pediatric emergency departments or trauma centers to cater to specific patient populations or severe injuries. Acute care settings are similar to emergency departments in terms of providing immediate care, but they are often located within hospitals and cater to patients with acute medical conditions. These settings include intensive care units (ICUs), cardiac care units (CCUs), and stroke units, among others. Acute care settings are equipped with advanced monitoring and life support systems to manage critically ill patients requiring close observation and specialized interventions [3].

Emergency and acute care settings

In both emergency and acute care settings, the healthcare team follows standardized protocols and guidelines to ensure efficient and effective care delivery. This may involve a systematic approach to triaging patients based on the severity of their condition, using diagnostic tools and tests to aid in diagnosis, and promptly initiating appropriate treatments. The team also works collaboratively to coordinate care, communicate with patients and their families, and arrange appropriate follow-up care or transfers to other healthcare facilities if necessary. In recent years, emergency and acute care settings

have faced numerous challenges, including overcrowding, resource limitations, and the increasing demand for services. These challenges have prompted healthcare systems to focus on strategies such as streamlining patient flow, implementing triage systems, and developing protocols to optimize care delivery.

Overall, emergency and acute care settings are crucial components of the healthcare system, providing essential medical interventions to individuals in urgent need. Their swift response, skilled personnel, and specialized equipment make them vital in saving lives and improving patient outcomes during critical situations [4].

Material and Method

The methods used in emergency and acute care settings involve a systematic approach to assess, diagnose, treat, and manage patients with urgent medical conditions. These methods are designed to provide efficient and effective care while prioritizing the most critical cases. Here are some key methods employed in emergency and acute care settings:

Triage: Triage is a crucial method used to prioritize patients based on the severity of their condition. It involves a quick initial assessment to determine the level of urgency. Triage categories commonly used include "immediate" for life-threatening conditions, "urgent" for conditions that require prompt attention, "semi-urgent" for conditions that are not immediately life-threatening, and "non-urgent" for minor injuries or illnesses. Triage helps ensure that the most critical patients receive immediate care [5].

Rapid Assessment: Healthcare professionals in emergency and acute care settings perform rapid assessments to gather pertinent

*Corresponding author: Warren J. Kraft, Clinical Epidemiology Program, Otta Hospital Research Institute, Otta, Canada, E-mail: warren.j.kraft@gmail.com

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information about the patient's medical history, symptoms, and vital signs. This information helps in determining the potential causes of the condition and guides further diagnostic and treatment interventions [6].

Diagnostic Procedures: Emergency and acute care settings employ various diagnostic procedures to aid in the rapid assessment and diagnosis of patients. These may include blood tests, imaging studies (such as X-rays, CT scans, or ultrasounds), electrocardiograms (ECGs) for cardiac conditions, or other specialized tests based on the patient's symptoms and suspected condition. Diagnostic procedures help in identifying the underlying cause and guiding appropriate treatment.

Resuscitation and Stabilization: For patients with life-threatening conditions, immediate resuscitation measures are initiated. This may include cardiopulmonary resuscitation (CPR), advanced cardiac life support (ACLS) protocols, airway management, administration of medications, and other interventions to stabilize the patient's condition [7].

Treatment and Intervention: Based on the assessment and diagnosis, healthcare professionals provide timely and appropriate treatments. This may involve administering medications, performing procedures (such as wound suturing or joint reduction), providing pain management, immobilizing fractures, or arranging for surgical interventions if necessary. Treatment plans are tailored to each patient's specific condition and may involve collaboration with specialists in various fields.

Monitoring and Observation: Continuous monitoring and observation of patients are essential in emergency and acute care settings. Vital signs, oxygen levels, cardiac rhythm, and other parameters are closely monitored to detect any changes in the patient's condition and guide further interventions. This may involve the use of advanced monitoring devices and equipment [8].

Collaboration and Communication: Effective communication and collaboration among the healthcare team are vital in emergency and acute care settings. Interdisciplinary teamwork ensures a coordinated approach to patient care, timely exchange of information, and appropriate handover of patients during shift changes. Communication with patients and their families is also crucial to provide updates, address concerns, and involve them in the decision-making process. These methods collectively aim to deliver rapid and comprehensive care to patients in emergency and acute care settings, optimizing outcomes and ensuring the best possible patient care in urgent situations.

Result and discussion

As an AI language model, I don't have access to real-time data or the ability to conduct research. Therefore, I cannot provide specific results or engage in a discussion on emergency and acute care settings. However, I can provide some general points that are often discussed in the context of emergency and acute care:

Patient Outcomes: The effectiveness of emergency and acute care settings is often evaluated based on patient outcomes. This includes measures such as mortality rates, morbidity rates, length of hospital stay, patient satisfaction, and functional outcomes. Research studies and quality improvement initiatives focus on identifying factors that contribute to positive outcomes and optimizing care delivery to improve patient well-being and survival rates [9].

Time to Treatment: The time it takes for patients to receive appropriate treatment in emergency and acute care settings is crucial. Studies often assess the timeliness of interventions, such as time to initial

assessment, time to diagnostic procedures, time to administration of medications, and time to surgical interventions if needed. Prompt treatment is associated with improved outcomes, especially in time-sensitive conditions like heart attacks, strokes, and severe trauma.

Resource Utilization: The efficient utilization of resources, including staff, equipment, and facilities, is an important consideration in emergency and acute care settings. Researchers and healthcare administrators analyze resource allocation and workflow processes to identify areas for improvement and optimize resource utilization while maintaining high-quality care [10].

Adherence to Guidelines and Protocols: Emergency and acute care settings follow standardized guidelines and protocols to ensure consistent and evidence-based care. Studies may focus on assessing adherence to these guidelines and the impact on patient outcomes. This includes evaluating compliance with protocols for sepsis management, trauma care, stroke management, resuscitation, pain management, and other critical interventions.

Challenges and Innovations: Discussions in the field often highlight the challenges faced by emergency and acute care settings, such as overcrowding, limited resources, staffing issues, and the increasing demand for services. Researchers and healthcare professionals explore innovative solutions to address these challenges, including process improvements, technology integration, telemedicine applications, and alternative care models [11].

Conclusion

In conclusion, emergency and acute care settings play a vital role in the healthcare system, providing immediate medical attention to individuals with urgent medical conditions. These settings are equipped with skilled healthcare professionals, specialized equipment, and protocols to assess, diagnose, and treat patients efficiently and effectively.

The methods employed in emergency and acute care settings, such as triage, rapid assessment, diagnostic procedures, resuscitation, and treatment interventions, are designed to prioritize and stabilize patients with life-threatening conditions. Continuous monitoring and collaboration within the healthcare team ensure comprehensive care and timely interventions. Patient outcomes, including mortality rates, morbidity rates, and patient satisfaction, are important measures used to evaluate the effectiveness of emergency and acute care settings. The timeliness of treatment, adherence to guidelines and protocols, resource utilization, and innovations to address challenges are also key areas of focus in research and quality improvement initiatives.

Despite the challenges faced by these settings, including overcrowding and resource limitations, efforts are made to optimize care delivery and improve patient outcomes. Streamlining patient flow, implementing triage systems, and exploring innovative solutions are strategies employed to enhance efficiency and provide better care.

Emergency and acute care settings continue to evolve and adapt to changing healthcare needs and advancements in medical technology. By providing immediate and critical interventions, these settings save lives, improve patient outcomes, and serve as essential pillars in the healthcare system.

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