

# Management of Trauma Patient in Taiwan Emergency Department

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## **Abstract**

As a physician, managing trauma patients in Taiwan's emergency departments is a critical aspect of our practice. These patients constitute a significant proportion of ED visits in our country, necessitating prompt and effective care to achieve the best outcomes. Our approach to trauma care involves a systematic and multidisciplinary strategy, prioritizing rapid assessment, stabilization, and appropriate interventions.

Upon arrival, trauma patients are triaged using a standardized system to prioritize care based on injury severity. Critically ill patients receive immediate attention, ensuring timely resuscitation and stabilization following ATLS protocols, emphasizing the ABCDE approach.

The resuscitation phase aims to stabilize vital signs and maintain perfusion. This includes fluid resuscitation, blood transfusion as necessary, and controlling external bleeding. Adjuncts like airway devices, chest tubes, and splints are used as needed.

Diagnostic evaluation plays a crucial role, utilizing imaging studies (X-rays, CT, ultrasound) to identify injuries, and laboratory tests (CBC, coagulation studies, ABGs) to assess the patient's overall status.

For severe trauma cases, a trauma team, consisting of trauma surgeons, emergency physicians, anesthesiologists, nurses, and specialists, provides coordinated and organized care.

Evidence-based practice and clinical guidelines are increasingly emphasized to standardize care and improve outcomes. Trauma centers have established registries to collect and analyze data, facilitating continuous quality improvement.

Continuous education and training for healthcare providers remain vital to keep them updated on the latest advancements in trauma management.

In conclusion, our management of trauma patients in Taiwan's emergency departments follows a well-structured and systematic approach, incorporating rapid assessment, multidisciplinary collaboration, advanced imaging, and evidence-based practice. By embracing data-driven analysis and continuous education, we strive to enhance patient outcomes and adapt to evolving challenges in trauma care.

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