

## The Predicaments and Countermeasures of the Construction of Trauma Center in China

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**Abstract:** China is a country with many traffic accidents and traumas, but there are still some gaps and shortcomings in the ability to do trauma first aid in China compared with developed countries, which leads to the low efficiency of trauma first aid. In order to effectively improve the emergency treatment capacity of trauma centers in China, the existing trauma centers should be improved. However, due to the limitations of conditions and procedures of traditional trauma first aid, there are still some difficulties in the process of emergency treatment for patients. This paper mainly discusses the difficulties faced in the construction of new trauma centers, and formulates corresponding countermeasures according to the relevant difficulties to effectively optimize the capacity and level of construction of trauma centers in China, so that patients can get more scientific, reasonable, timely and effective treatment, and strive for more rescue time for patients.

With the continuous progress of science and technology, industries transportation in China have developed rapidly, resulting in more and more patients being sent to hospital for traffic accidents and trauma. However, compared with foreign countries, the construction of trauma centers in hospitals in China starts late, and related facilities and equipment are not perfect enough, resulting in weak access to the trauma center, unable to provide services to patients in all directions, so that patients cannot get timely and targeted emergency treatment, leading to delays in the best treatment time of patients <sup>[1]</sup>. Therefore, this paper mainly analyzes the dilemma of construction of trauma center, and puts forward corresponding solutions to these dilemmas according to the author's work suggestions, so that patients can get timely and effective treatment.

### 1. Predicament in the Construction of Trauma Centers

Trauma is a kind of trauma that seriously damages the human body and mind. Especially in patients with severe trauma, it can lead to severe failure of body organs, which can cause rapid changes in the patient's physiology and even threaten the safety of patients. Especially for patients with traffic injuries, high-altitude fall injuries, and injuries, if they are not treated in time, the morbidity and mortality will increase. At present, in order to improve the efficiency of patient treatment, it is necessary to construct the trauma center effectively. However, in the construction process, due to the late start of the construction of the trauma center in China, there are still some difficulties in the construction process <sup>[2]</sup>. (1) Lack of systematic classification. During the construction process, most of the trauma centers in China does not systematically classify the patient's condition and lacks a trauma grading system, which causes patients with different degrees of injury to be unable to receive treatment to effective symptomatic treatment, many patients with more serious diseases have been delayed due to incomplete classification. (2) The trauma center mechanism for sustainable treatment has not been established. The traditional trauma center is relatively simple in function during construction. It only serves as a treatment for patients and

emergency treatment, resulting in patients not being able to receive sustainable treatment during the treatment process. In the course of treatment, due to the lack of Hematology Department and Imaging Room in trauma center, patients need to go to other departments to receive treatment, which delays the treatment time of patients, and makes patients dispersed in some departments, which is not conducive to the unified management of trauma patients in trauma center. (3) The comprehensive quality of the medical center of the trauma center needs to be improved. The construction of the traditional trauma center is not valued by the hospital, and the relevant systems and regulations are not perfect, which leads to the overall low quality of the medical team in trauma center. At the same time, the medical team in trauma center is organized by doctors in various departments and lacks systematic management. As a result, in the face of multiple trauma patients, it is impossible to apply specialist knowledge to target patients, resulting in lower treatment efficiency. At the same time, the facilities and equipment of the trauma center are not perfect, resulting in many operations and treatments cannot be completed in time. The trauma center does not open a green channel for patients, which leads to troubles in the admission treatment process, lack of communication and coordination between departments, resulting in low overall efficiency of the trauma center<sup>[3]</sup>.

## **2. The Countermeasures for the Construction of Trauma Centers**

According to the dilemma in the construction of trauma center, formulating corresponding countermeasures can effectively improve the efficiency of patients' treatment and make trauma center get targeted construction. (1) Systematic classification of patients' trauma degree. Due to the lack of systematic classification of patients' injuries in the treatment process, as a result, many patients with serious illness are delayed. In order to improve the treatment efficiency of trauma center, the trauma center needs to classify the patient's condition according to the patient's specific condition in the process of accepting the patient, and set up a green channel for the more urgent patients, so that the patient's condition can be controlled. At the same time, the trauma center should judge the patient's condition quickly when receiving the emergency call, treat the patient urgently according to the patient's condition, and prolong the patient's treatment time. (2) Establishment of a sustainable treatment mechanism. When building the trauma center, it is necessary to establish a scientific, objective, comprehensive and sustainable trauma center according to the local medical level and the needs of hospital construction. During the construction process, the facilities and equipment of the trauma center need to be improved, and the blood department and image will be set up in the trauma center to improve the efficiency of patients' visiting, facilitate the unified management of patients in the trauma center, and shorten the treatment time of patients, improve the treatment efficiency of patients, provide patients with good first aid, and achieve the purpose of sustainable treatment. Considering the sudden onset of the disease in this part of patients and the severity of the disease in most patients, in order to prompt this part of patients to receive targeted treatment quickly, it is more necessary to establish a green channel combined with the actual situation of trauma center. (3) Improvement of the comprehensive quality of medical workers in trauma centers. In view of the lack of talents in trauma centers, hospitals need to introduce targeted talents. With training and assessment, the comprehensive quality of medical work can be effectively improved. At the same time, in order to improve the comprehensive quality of medical workers in trauma centers, a scientific and standardized management system of trauma centers should be formulated so that medical staff can fully grasp the treatment process and relevant rules and regulations of trauma centers. By training targeted general emergency personnel, and through assessment and training systems, the comprehensive quality of trauma centers has been improved in an all-round way<sup>[4-5]</sup>.

## **3. Conclusion**

In summary, the main difficulties faced by trauma centers in the process of construction are lack of systematic classification, lack of sustainable treatment of trauma centers mechanism, and low

overall quality of trauma centers medical team. In order to effectively improve the medical conditions of the trauma center and make the trauma center effectively constructed, it is necessary to propose corresponding improvement measures according to the above dilemma. Among them, it mainly includes systematic classification of the degree of trauma of patients, establishment of sustainable treatment mechanism, and improvement of the comprehensive quality of medical workers in trauma centers, so that patients can obtain targeted treatment during the process of medical treatment, effectively improve and prolong the first aid time of patients, so that patients' condition can be effectively controlled.

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