Architecture Concern of the Emergency Room: An Important Issue to be Discussed in Emergency Medicine

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Emergency room is the basic clinical unit in any hospital. This unit is specific for management of emergency cases. The quality management for the emergency room is needed. There are many concerns on clinical practice guidelines, bedside and point-of-care testing, emergency drug and medical facilities, admission, consultation as well as referring systems. However, an important factor that is usually forgotten is the medical architecture. The architecture of the emergency room has to be well designed. For gross architecture, this is to be well planned before construction and hard to be corrected. In general, the emergency room has to locate in the ground floor and easy to reach. The item that can be renovated is the interior architecture of the emergency room. The main concept is to maintain the flow within the room. The block of exit is normally seen in clinical practice and can be the problem and cause the harmful to patients, cousins and medical personnel [1,2]. The safety must be the main concept [3,4]. It is suggested that the floor and related workflow has to be analyzed and the renovating has to be done for any point that there is an intersection of flow. The concern must be extended to the infectious and other hazard control. At least, the good air ventilation, light, sound, electricity and running water systems have to be guaranteed. Since the emergency room take a lot of workload, the completeness in medical architecture is needed. It must be the time for us to recheck and renovate our emergency units to get the qualified medical architecture standards. Finally, there must be preparedness for the possible crises (such as fire, flooding, earthquake, etc.) or terrorist attacks [5]. The execution way and system is needed.

References