

عنوان مقاله:

Legal Review of the Use of the Sina Robot in Practice Surgery for Epilepsy Patients

محل انتشار:

شانزدهمین کنگره بین المللی صرع (سال: 1398)

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خلاصه مقاله:

When brain cells transmit signal to one another, there are some problems that people find as epileptic seizures. Sometimes during a seizure, the patient falls and the floor going out. Some seizures are diagnosed with the process of fragmentation of the brain, even if its severity is different, the injuries caused by these seizures are the same. Because some of the brain cells disappear during any seizure. Recurrent seizures, especially during childhood, can also lead to mental retardation. Therefore, treatment should start without waste of time. While most patients are treated with medication, some of them have to use surgical procedures. Surgical procedures are divided into three parts: a) removal of the defective area; b) cutting the transmission paths between the common areas; c) placing the battery. The surgeon s robots, with enhanced precision and surgical control, and the use of optical equipment and displays, have been employed to monitor the quality of surgical care for human health. The Sina s Robot Surgery, who won the Best China Entrepreneurship Award in 2018, has been instrumental in reducing patient recovery, reducing surgical complications, less injuries to the patient, and reducing the cost of surgery. The Sina s Robot, made up of two parts, was first unveiled at the 2014 inotex exhibition. The first part of the device sends orders to the robot under the supervision of the doctor and his control. The special advantage of this robot is that the control center or surgical console can be far from the site of the second part of the robot, which is the operator s part, and thus a remote operation is realized. The second part is located next to the robot s patient, who acts on the surgical site by performing a low-invasive operation through small incisions in the patient with high precision and control. The degree of freedom of the surgical instrument and the accuracy of this robot are monitored by a surgeon. According to the legal provisions 272, 290, 496, 501, 503, 677 of the Islamic Penal Code, the scope of criminal liability of this robot, the user and its controller, taking into account its use in surgical operations of epilepsy patients by descriptive-analytical .method Dedication

کلمات کلیدی:

Epilepsy, Sina Robot, Criminal Responsibility, Surgery

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