Primary-Simultane Operation Pri Politrauma

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Abstract

The author examines the current problems of modern medicine associated with the growth of injuries. In recent decades, not only has the number of injuries increased, but so does the severity of the damage. There were many problems, both in the organization of treatment of victims, and in the methods of surgical correction of injuries, especially if they are combined - multiple, and at the same time injured up to a dozen or even more persons. This is most often the case in road traffic accidents, and they sometimes occur on sections of highways, away from the regional and regional centers, where the main medical staff are concentrated, and in rural areas, where hospitals operate with very limited medical staff. For example, the staffing of the CRB usually provides surgical and trauma departments for 40-60 beds, that is, assistance is planned. or a surgeon, or a traumatologists, but often come persons with trauma of those organs and systems that are to be treated by a neurosurgeon, angiosurgeon and other specialists. The difficulty lies not only in the absence of them, but also in the tools for such operations. One doctor of the CRB receives a load, which in the regional center is allowed 5-10 or more specialists of surgical profile. In this situation, doctors of rural hospitals should have the technique to perform surgery in any form of trauma, but for this they must pass the school of training in leading surgical centers, and now they are mostly former students who know everything, but nothing they know how to do it. Admittedly, the increase in fatalities from injuries is partly due to this factor. The author gives an instructive observation of polytrauma, which fits into the context of the problem at hand.

Keywords: Polytrauma; Surgical treatment; Treatment

The Aim of the Study

To show the importance of the surgeon’s training in providing emergency care to victims of polytrauma

Introduction

Currently, there is a widespread increase in injuries, which is due to the rapid mechanization of work and recreation of the person. With the increase in injuries, there were many problems in the organization of treatment of victims with different types of injuries. The role of peripheral treatment facilities (mainly CRB) in providing effective assistance to traumatized persons has also increased, taking into account the mass migration of the population during the warmer months from cities to villages [1]. The structure of injuries has also changed significantly - the number of combined, multiple and combined multiple injuries is increasing. At the same time, the combined injury includes damage to different systems, and to multiple - the same [2]. With the one-time increase in the number of injured organs and systems, attitudes on surgical aggression have changed, and this has been greatly facilitated by recent advances in anesthesiology, allowing the most severe and pro-longed operations [3,4]. Although until very recently it was thought that expanding the volume of surgery on the human body is dangerous for his life [5,6]. However, the healing process of victims with polytrauma, dictates the need not only to own, but also to perform complex simulatane manipulations on various organs and systems. In primary osteosynthesis performed in a combined injury, poor treatment results are twice as common as in other methods of cross-section, and the consolidation of the fracture occurs on average 1 month faster [7-9]. X-ray diagnosis is also needed to clarify the nature and type of injury, but it increases the radial effects on humans [10]. For this reason, it is necessary to resort to magnetic resonance imaging (MRI), as well as to be able to perform ancillary manipulations, including laparocenteza, in case of suspected abdominal injuries [11,12]. However, the leading role in the diagnosis of all injuries still belongs to clinical methods of examination, and they future doctors master during their studies at the university. On this basis, it is necessary to strengthen control over the quality of training of future health professionals in order to eliminate the appearance of ballast, which only interferes with
the goal - reducing fatality from injuries, if in reducing their number they are powerless, for it is a national problem.

**Material and Methods**

In one of the district hospitals of Krasnodar region observed 59 victims with combined-multiple trauma, of which 41 (69%) were affected. Primary simulstes were performed (from 2 to 6). The rest had 18 (31%) Victims and this was due to their extremely severe condition, or because of the fracture of the bones of the base of the skull, or because of a closed heart injury, limited only to conservative methods of treatment - skeletal stretching, skeletal hanging of the lower limb. All of these patients died five to 18 hours after hospitalization. All patients (41) who had surgery, had multiple fractures of tubular bones, 32 - traumatic brain injury, 6 - closed rupture of abdominal organs, 3 - a fracture of the spine, 3 - pelvic bones, 12 - ribs, 10 - bones. A total of 204 organs and tissues were injured, ranging from 2 to 8 in one person. At the time of hospitalization, everyone had a second- to third-degree shock. The patients were between 13 and 52 years old. The diagnosis was based on clinical, X-ray, endoscopic, instrumental and laboratory examination. All of these patients had metal osteosynthesis of tubular bones (from 2 to 5, only 86), 4 - removed spleen, 2 - stitches on the liver, 6 - trepanation of the skull, etc. Of the 41 victims, 19 had simulated operations carried out 2-6 hours after hospitalization, and the rest within 1 day. The duration of surgical aggression ranged from 2 to 6 hours. Operations were performed under general end tracheal anesthesia with the use of controlled breathing hardware. Two traumatologists took part in the surgical intervention with or without the involvement of a surgeon. The 23-year-old man was admitted after a road accident in a state of extreme severity - pulse filamentous, AD - is not determined, breathing superficial 6-8 in 1 minute. On examination - on the face you could see fractures, which has a clear economic effect. The introduction of new surgical technologies effectively, is of great importance in the outcome of the operation. The very method of operation, which allows to use existing metal structures effectively, is of great importance in the outcome of the operation. The materials presented in the article fully confirm the data of the literature that these operations reduce the number of postoperative complications by 2 times; on average for 1 month accelerating the consolidation of breaks, which accelerates the rehabilitation of victims. The cause of failure relates to the severity of the brain and heart injury, and this problem is now waiting to be solved.

**Conclusion**

Primary simultane operations in combined-multiple trauma can be attributed to the achievements of modern medicine. They allow doctors in polytrauma to actively influence the correction of homeostasis disorders and accelerate the consolidation of bone fractures, which has a clear economic effect. The introduction of new surgical technologies will lead to further progress in the treatment of polytrauma.

**References**


