

MINISTRY OF PUBLIC HEALTH OF UKRAINE  
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# **TOPICAL ISSUES OF NEW DRUGS DEVELOPMENT**

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## **FIRST AID IN ELECTRIC SHOCK**

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Electrocution is a violation of the anatomical relationships and functions of tissues and organs, accompanied by local and general reaction of the body, caused by the action of an electric current. The result of electric shock to persons affected by many factors. The most important are the magnitude and duration of the current generation, and frequency of the current and the individual properties of the organism.

The first necessary aid activities with electrical accident is the elimination of the current action on the body. To do this, turn off the power supply. When providing first aid for electrical accident should be to abide by the rules-saving electrical safety. After a preliminary dead must pull the victim of clothing at a safe distance. After the liberation of victims of the electric current necessary to call an ambulance. Assess the condition of the victim: to assess the state of consciousness, breathing and circulation. For this it is necessary to determine the magnitude and pupillary response to light them, and to identify the pulse in the carotid artery. If the victim is unconscious but breathing and pulse is present, it must be given the position of "lying on its side," control pulse and breathing before arrival of "first aid". If the victim is not breathing and consciousness, but is determined the pulse of the carotid artery it is need to start urgent mechanical ventilation. In the absence of the victim consciousness, breathing and carotid pulse embarking on cardiopulmonary resuscitation. Performance criteria in cardiopulmonary resuscitation are the following: the emergence of the carotid pulse; restoration of respiration; the appearance of the reaction of pupils to light. When the effective conduct of cardiopulmonary resuscitation affected attach a stable position "lying on its side," sheltering veil and holding control of breathing and heart rate before the arrival of the ambulance. Upon detection electrical burns impose a dry aseptic bandage. In a matter of urgency with electrical transport the victim to a hospital.

Thus, the timely provision of first aid at electrical accident will help save the lives of the victims.

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