RISK FOR PREGNANT WOMEN DUE TO BIOLOGICAL AND CHEMICAL POLLUTION OF DRINKING WATER

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Abstract

Recently acts of terrorism are directed against the peace population, and for this purpose are used explosive, poison gases, there was more accessible a biological and chemical weapon. This problem to become more actual in conditions of the terrorism connected to an opportunity of use for these drinking of water sources. Especially vulnerable group are pregnant women. In conditions falling of birth rate and high death rate in Russia the problem of protection of reproductive health of the population is the major direction of the state policy determining national safety.

Key words: drinking water/ terrorism/ health/ reproduction impairment/ MAC values.

1. Influence of terrorism at deliberate pollution of potable water on an organism of the pregnant woman

One of possible ways of committing terrorist act is drinking water, one of the most vulnerable targets which living things and human beings feel vital necessity for. However, though drinking water is regularly controlled, a chance of direct immediate action aimed at destruction, further causing acute or chronic pathologies in the population is real. Of great vulnerability are group
due to deliberate poisoning of drinking water are pregnant women and feeding mothers (Sivochalova, Feytshans, Denisov, and Golovaneva, 1999).

In figure 1, possible mechanisms of development of complications of pregnancy from influence of biological and chemical agents (Saveleva, 2000). The sensitiveness of vessels to the vessel-active substances.

**Figure 1.** The mechanism of the rise pregnancy complications by the influence agents (biological, chemical).