

# RESEARCH ASSORTMENT OF DRUGS FOR THE TREATMENT OF TRAUMATIC BRAIN INJURY ON THE PHARMACEUTICAL MARKET OF UKRAINE

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**Introduction.** Traumatic brain injury (TBI) is a common type of injury. Persons up to 45 years it takes First place in the structure of mortality, ahead of cardiovascular and cancer diseases. The main causes of death in patients with severe TBI, along with gross primary brain injuries are brain swelling, which is often accompanied by intracranial hypertension. To reduce intracranial pressure and cerebral edema elimination solutions osmotic diuretic used in the treatment of severe traumatic brain injury.

**The aim of research.** Research of the assortment of osmotic diuretics in the pharmaceutical market of Ukraine.

**Materials and methods.** Analysis of the assortment of osmotic diuretics performed for years 2012-2016 according to the information retrieval system "Pharmstandard", which allows you to analyze the range, average retail prices, the number of sold packages of medicines in a given year.

**Results and discussion.** In the pharmaceutical market of Ukraine osmotic diuretics (ATC group B05B C01) represented only 1 INN – mannitol. Research of the assortment trading Name of host (TH) showed that in 2012 the Ukrainian market 10 TH mannitol were registered, in 2013 – 6 TH, 2014 – 7 TH, 2015 – 6 TH, and in 2016 – only 4 stations. If in 2012 the share of domestically produced drugs mannitol was – 90% (9 TN), in 2013-2016 the market domestic products were only mannitol. Prices of drugs mannitol vary slightly. From 16.34 UAH – in 2012 to 55.76 UAH – in 2016. The cheapest today (42.79 UAH) is a drug Mannit-Novofarm, 150 mg/ml, 200 ml, production Novofarm-Biosynthesis

(Ukraine). Limited range of osmotic diuretics in Ukraine requires the expansion of the range. One of the most effective drugs with anti-edematous action today is a preparation of L-lysine aescinat. He was more than 5 clinical studies in the treatment of treatment of TBI.

**Conclusions.** Thus, INN mannitol is presented in a wide range on the market, thereby limiting the physician in choosing the osmotic diuretics to eliminate cerebral edema in the treatment of severe head injury. Due to the large spread of TBI in Ukraine need to expand the range Name of host agents with anti-edematous action. To this end more than five years conducted clinical trials of a new drug L-lysine aescinat, which proved to be highly effective in the treatment of cerebral edema.