

*Kushnir P.*

## **COMBINED HUMANITARIAN AID DRUG RESEARCH AND DEVELOPMENT**

**Research advisor: PhD Volchek A. V.**

*Department of Pharmacology*

*Belarussian State Medical University, Minsk*

**Introduction.** East Africa is one of the poorest regions of the world with massive insufficiency of trained medical personnel and medications. Lack of education amplifies the suffering of millions of people, who have no chance to acquire any kind of medical attention, especially in tribal areas. High risk of incoming large-scale military conflict around GER dam will induce even larger scale of humanitarian disaster and suffering. In such an environment, introduction of mass produced combined chemotherapeutical drug, aimed on ease of access and usage, may significantly affect the amount of human life and quality of life lost in the constant state of humanitarian disaster.

**Aim:** to develop and propose trials and usage of combined chemotherapeutical drug, aimed on mass usage among uneducated population of East Africa and other third world regions.

**Methods and materials.** Statistics analysis of the following qualities of the region: mortality, morbidity, doctor-patient ratio, quality of life. Analysis of available drugs qualities and drug-on-drug interactions. Analysis of economic availability for necessary mass production.

**Results.** Drugs combination, dosage, regiment and package are identified. Possible retail price-per-package calculated. Possible drug-on-drug interactions are researched.

**Conclusions.** Considering potential value of the proposed combined chemotherapeutical drug for considered region, it is found necessary to conduct small-scale animal experimentation with the purposes of improving of formula.