



ABSTRACT BOOK



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**INTERNATIONAL SCIENTIFIC
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BIOMEDICAL SCIENCES



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TUBERCULOSIS EPIDEMIC IN UKRAINE

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Introduction. Tuberculosis (TB) is an airborne bacterial infection caused by *Mycobacterium tuberculosis*. TB can be acquired by breathing contaminated air droplets coughed or sneezed by a person nearby who has active TB. Humans can also get ill with TB by ingesting unpasteurized milk products contaminated with *Mycobacterium bovis*, also known as Bovine Tuberculosis. The most common form of the infection is pulmonary TB which affects the lungs. In some cases, the bacteria can also attack the lymphatic system, central nervous system, urogenital area, joints, and bones.

Material and methods. Analysis of scientific literature and official statistic data about death cases of TB.

Results of research. The annual mortality rate per 100,000 people from TB in Ukraine has increased by 52.7% since 1990, an average of 2.3% a year. In Ukraine the maximal mortality rate from TB among men is observed at age 50-54 and the lowest rate mortality rate in men is reported at age 10-14. In 2013 52.8 deaths per 100,000 men were reported, this index was higher in men than in women that was 7.7 per 100,000 women. The highest mortality rate from TB among women was at age 40-44 and the lowest index among them was reported at age 10-14. Official statistic data show that today every fourth person with TB remains unnoticed by national healthcare system. Due to the lack of minimum conditions required for early TB detection in the context of the military conflict in the East of Ukraine, the development of TB epidemic is now uncontrolled like a “black hole”, which is a real threat for other regions of the country, especially considering high level of migration and big number of internally displaced persons.

Conclusions. To reduce the incidence and mortality from tuberculosis, it is necessary to conduct effective epidemiological surveillance and control with the isolation of each case of active TB, improve the socio-economic conditions of the people life and conduct active educational programs for population.

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ASSESSMENT OF THE LEADING ROUTES OF TRANSMISSION OF THE HBV IN KHARKOV CITY

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Introduction. Viral hepatitis B (HBV) refers to the widespread, with an equable distribution of cases across the territory and among different population groups, with the prevalence of chronic forms of HBV over the acute and frequent formation of liver cirrhosis and hepatocellular carcinoma. WHO estimates that 57% cases of liver cirrhosis

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