

Miseuk D. G., Yagur A. A.
THE IMPACT OF NOISE ON THE HUMAN BODY
Scientific supervisor senior teacher Mitereva G. V.
Department of Foreign Languages
Belarusian State Medical University, Minsk

Noise is an especially troublesome pollutant in urban areas. People in the cities are constantly exposed to loud noise. The noise comes from airplanes, buses, cars, motorcycles, trains, trucks, construction projects, and industries. The noise causes much discomfort to people.

From a physiological point of view, noise is any sound that is objectionable for human hearing and has negative side effect on our health and may be a factor in many stress-related diseases. If we consider noise from a physical side, then it is a random combination of sounds of different strength (intensity) and frequency. These sounds occur during certain vibrations in gaseous, liquid, solid spheres. They differ in frequency, strength and level of negative impacts.

Aim: to explore how noise can affect human body.

Tasks:

1. To study the process of the influence of noise on the human body, its health.
2. To determine the harm which can be caused by noise.
3. To find and analyze the views and research works of different scientists whose works are connected with the impact of noise.
4. To explore the effect of sound on the human body.
5. To consider the way of sound vibrations from the origin to the brain.
6. To carry out experiments and study the effect of noise on memory.
7. To make the comparative analysis.

Sound is energy. Scientists have found ways to use sound energy in various fields. For example, it can be used in technology, agriculture, medicine and etc. Saturation of the surrounding space with high-intensive noise can lead to deformation of sound information and disturbance of human auditory activity. In some cases, noise can be as dangerous as pathogen of a contagious disease. So this factor significantly reduces the effect of efforts in the field of improving health of the citizens in our country. Moreover, noise can effect human memory. According to the results of the experiments, it was found out that with noise we make more mistakes and memorize information worse. Today when the contradictions between man and nature has dramatically increased, the Earth is in danger. And as noise pollution is clearly a growing threat to our health, the human activities should be aimed at solution of noise problem as well as other ecological problems.