

Zhuk E.S., Yakovleva T.M.
HARMFUL PERFUME EFFECT ON HEALTH
Tutor: senior lecturer Mitereva G.V.
Department of Foreign Languages
Belarusian State Medical University, Minsk

The world is changing around us rapidly. The mass media reports regularly about new discoveries, in particular, about the emergence of new chemical substances. At first, we rejoice in the benefits they bring, but suddenly we figure out much more information about their harmful effect that prevail over their advantages. This idea is also relevant to the perfume industry. Dozens of new fragrances appear every year, various chemicals are used to produce them. Scientists have paid their attention to the severe increase in endocrine impairments, decrease in fertility and rapid growth of oncological diseases, that are not always caused by harmful working conditions, poor environment and heredity. Gradually medicine has come to the understanding of the fact that a range of diseases appear because of the use of chemical products, fabrics, food and, surprisingly, perfume products. The idea of harmful effect of the perfume has not appeared overnight. The first research was made in 2005 by "Greenpeace". The independent laboratory carried out an analysis of 36 products. Almost all of them included phthalates, alkylphenols, synthetic musk-like substances.

Every year The European Commission updates the list of substances that are considered as endocrine disruptors, most of them can be found in perfume products. They are BHA, Bisphenol AF, Dipentyl phthalate, Lithium salts (lithium chloride, lithium carbonate, lithium hydroxide), Octamethylcyclo-tetrasiloxane (D4), Prochloraz, Propylparaben, Reaction products of phosphoryl trichloride and 2-methyloxirane (TCPP), Salicylic acid, Triclocarban, Tris (4-nonylphenol, branched) phosphite (TNPP), Tris(methylphenyl)phosphate and many others.

Having investigated the composition of the most popular perfume products of both foreign and national brands, conducting a survey on the young generation of our country, revealing the harmful effects of chemicals on the human body, we can understand how relevant the problem is. Every day people use either foreign or national perfume products containing poisonous ingredients which can cause late onset health problems. The study aims at raising awareness of the use of perfumes by educating the population about the negative side effects of harmful ingredients.