



МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ
КАФЕДРА ІНОЗЕМНИХ МОВ
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР

МАТЕРІАЛИ

**XIV ВСЕУКРАЇНСЬКОЇ
НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ
СТУДЕНТІВ, АСПІРАНТІВ ТА ВИКЛАДАЧІВ
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ
КАФЕДРИ ІНОЗЕМНИХ МОВ**

«TO MAKE THE WORLD SMARTER AND SAFER»

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phobias, a split personality and even the desire for suicide. In the throes of unspent love, they sleep poorly, abuse food and alcohol. As a crown to everything - the threat of prostatitis and dysfunction of the genital organ. Just imagine that you lay in a coma for several months and suddenly you need to run a marathon!

Romantic love is one the most addictive substances on earth.

Romantic love is an addiction.

A perfectly wonderful addition when all goes well, and a perfectly horrible addition when its going poorly. Love has all the characteristic of addiction: you focus on the person, you obsessively think about them, you crave them, you distort reality, your willingness to take enormous risks to win this person.

Love has the three main characteristics of addiction:

- a. Tolerance: you need to see more and more and more
- b. Withdrawals.
- c. Relapse.

BACTERIOPHAGES AS ALTERNATIVES TO ANTIBIOTICS

Alona Varlakova, Sumy State University, group—MC.m-801

N.V.Maliovana – E.L.Adviser

The history of the discovery of bacteriophages began almost a century ago. In spite of the appearance of antibiotics, bacteriophages are still extremely promising. Bacterial infections are an urgent public health problem, due to the increasing of antibiotic resistance and negative health consequences. Thus, phages are currently considered as an alternative treatment, which are going to replace antibiotics.

Bacteriophages-viruses containing its own genetic program, infect and multiply in the presence of a certain bacteria. The usage of bacteriophage for treatment and preventing infectious diseases is rising. They affect only pathogenic bacteria

sensitive to them, causing an infectious disease, destroying them from the inside. However, the advantage of the bacteriophages' action is not to ruin the beneficial microflora of the body, unlike antibiotics.

Rebeca Dedrick of the University of Pittsburgh described a clinical case of a 15-year-old girl suffering from cystic fibrosis and infection with the antibiotic-resistant *Mycobacterium massiliense*. The antibiotic treatment had no effect, due to the antibiotic resistance, doctors decided to treat with bacteriophages. At the end of six's months therapy, the patient got over, the lung and liver functions improved.

Phages are not sensitive to antibiotics, high temperature, enzymes, disinfectants, but are very sensitive to acids, ultraviolet radiation, and ionizing radiation. They are available in a liquid form, in the form of tablets, coated with an acid-resistant coating.

The phage therapy is the usage of bacteriophages for the treatment of human bacterial infections. It is still one of the developing directions of medicine. Bacteriophages are used to treat gastroenterology, urology, gynecology, surgery, otolaryngology, pulmonology, infectious diseases of the gastrointestinal tract (GIT), inflammatory diseases of the skin and mucous membranes.

SMART LENSES FOR DIABETICS

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What is life with diabetes? It is an annoying control of blood sugar and injections with insulin. Using a glucometer for diabetics is the same as you check your mail box. The problem is that it becomes boring very soon, particularly for diabetics who keep active. It is time to change. Scientists in one of the South Korean institutes developed a device that combines the glucometer with ordinary contact lenses.