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Features of Peptide Bioregulation

Scientific Practice

More than 1000 publications,
250 patents, 200 trademarks,
6 pharmacopoeial peptide drugs,
50 peptide bioregulators.

Clinical Studies

Peptide bioregulators development is founded on the evidence-based scientific researches of the certain peptides types effectiveness. Before being marketed, peptide drugs underwent a large number of clinical studies.

Life Expectancy

Studies have shown that use of thymus and epiphysis peptides bioregulators provide increasing of life expectancy. Peptides initiate restoration processes at a cellular level and protect cells from negative external and internal factors.

Vladimir Khavinson - Professor, Doctor of Medical Sciences, Member of the Russian Academy of Sciences, Director of the Saint-Petersburg Institute of Bioregulation and Gerontology, President of the International Association of Gerontology and Geriatrics.

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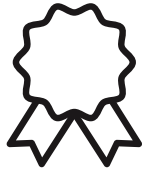
Studies

15-year experiment of V. Khavinson has showed that regular intake of peptide bioregulators reduces mortality by 40% in the control group. Such an impressive result is a world record in terms of life extension!

Results

Once in the body, peptides immediately begin to perform their function, regenerating cells and protecting the damaged amino acids chains. The organs begin to function correctly, and as a result, restoration takes place in the body by improving work at the cellular level.



Acknowledgement

For outstanding achievements in the work with peptide bioregulators, professor Vladimir Khatskelevich Khavinson was nominated for the Nobel Prize in 2010. A year later, in 2011, the European Association of Gerontology, which includes 40 countries, elected professor V. Khavinson as its president.

Peptide bioregulators produce an anti-aging effect on a cellular level what helps to improve organs' functions

The rapid deterioration of the body’s systems occurs in the case of cells aging with a simultaneous deficiency of "building material" for the formation new ones. And peptide bioregulators come to the rescue. They purposefully bind to the corresponding section of DNA, resume the production of necessary proteins and normalize the functioning of the cells.

Such changes improve the state of internal organs, stimulate immune responses and increase life expectancy. Thanks to modern extraction technologies and special purification methods, physiologically active peptides are used in the production of complexes. They have an extremely low molecular weight that helps them easily penetrate into the cell nucleus. In this form, pathogens or potentially hazardous substances cannot attach to peptides, what makes their use as safe as possible.

Peptide Bioregulation of Organism. Scheme

Negative factors

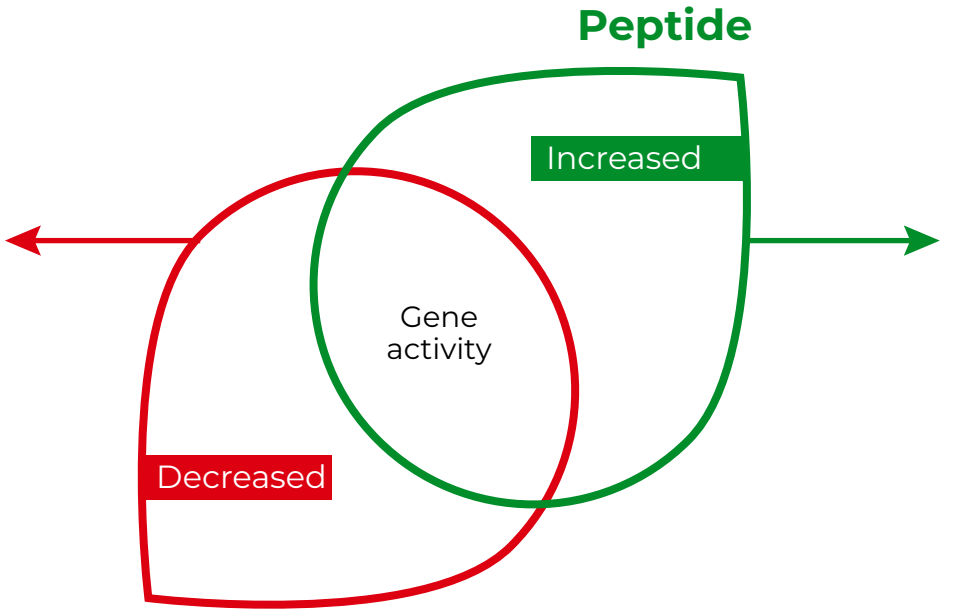
- Nicotine
- Alcohol
- Stress
- Ecological situation

01 Decreased protein synthesis

02 Decreasing of organ functions

03 Decreasing of body's vital functions

04 Disease development, accelerated aging



01 Slowdown of aging. Improvement of life quality

02 Restoration of functions

03 Improvement of cell functions

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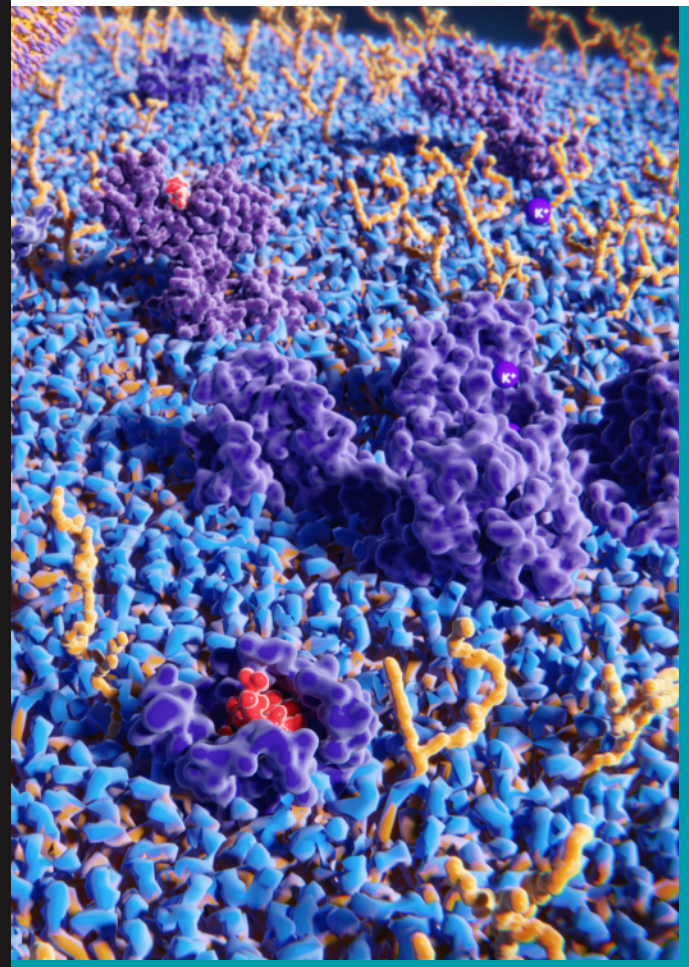
Influence on the Rate of Aging

Systematic use of peptides provides a slowdown of the aging rate. Peptides help to renew the structure of tissues, maintain the physiological concentrations of body's biologically active substances and hormones.

Life Resource

Influence on cell metabolism can increase body's vital resources. The cells are rearranged to the correct rhythm of work, they can accumulate and consume nutrients and energy evenly.



Peptides are Called Bioregulators. Why?

Bioregulators are short peptides, which consist of 2–4 amino acids. They give a signal to DNA molecule to start synthesis of certain proteins if they are lacking in the organ.

What is the Difference between Khavinson Peptides and Other Peptides?

Havinson's peptides are produced by months long extraction, what helps to remove proteins, hormones and other compounds longer than 20 amino acids from the mixture. Therefore, Havinson's peptides are safe, non-addictive, non-allergic and have no contraindications and can be used orally, intramuscularly, intravenously and externally. This development is approved for worldwide use.

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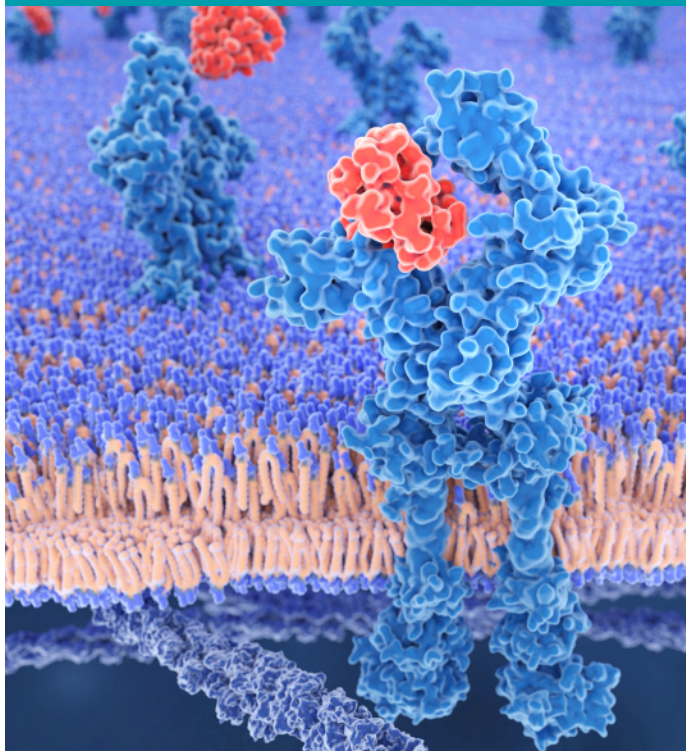
What is the Essence of Khavinson's peptides action?

Protein synthesis is conducted by DNA molecules. But they cannot run and are a matrix for reading. The peptides bind to the desired DNA fragment and activate the synthesis of the required proteins.

What are Short Peptides of Khavinson?

Khavinson short peptides are compounds of 2–4 amino acids. They are called bioregulators because of their ability to regulate gene activity and protein synthesis. Bioregulators suppress the activity of genes that carry negative hereditary information, and stimulate genes that have a positive effect on the body.



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Are Short Peptides Hormones?

Khavinson's peptides are not hormones. These are natural combinations of amino acids. Unlike hormones, they do not need receptors on the cell membrane to influence the production of certain substances. Peptides penetrate the cell nucleus and stimulate a fragment of DNA that will trigger the synthesis of hormones.

Are there any contraindications and overdose?

If bioregulators enter the body in excess, they do not find a fragment of DNA for interaction and are excreted naturally. Peptides cannot cause overdose.

Peptide complexes and pregnancy are quite compatible. But it is strongly recommended to consult with doctor before use of them and to get his approval for it.

Are Short Peptides Addictive?

Peptide bioregulators cannot cause addiction. Unlike enzymes and hormones, which are supplied to the body in a ready-made form, short peptides do not contain substances that can form a strong bond with cell receptors and prevent other peptides from acting.

The Way to Make up for the Deficiency of Peptides

To replenish the deficiency of peptides, it is necessary to take bioregulators specially designed for different organs and body systems. This is the only way to influence all the structures being subjected to pathological influences simultaneously.

Peptide Treatment

Peptide treatment is not the same as conventional medicine treatment — peptides cannot kill pathogens or altered cells. But use of bioregulators stimulates the division of healthy cells and the synthesis of missing substances. Therefore, organs can regenerate faster and tissues renew themselves. This effect works better as part of the complex therapy of diseases.

Are Peptides Doping Drugs?

Short peptides are not doping drugs and are not prohibited in sport. Synthetic hormones cause a temporary change of hormonal background and an increase of corresponding functions. Bioregulators normalize cell metabolic processes and the level of hormones, and an improvement of athletic performance occurs naturally.

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OF BIOREGULATION
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Thank you for attention!

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