

## CHEMICAL COMPOSITION OF PEPTIDES OF NIOSOMAL GEL "REGENERIN"

*I.A. Bazikov<sup>1</sup>, A.N. Kulichenko<sup>2</sup>, V.N. Zelensky<sup>1</sup>,  
A.A. Dolgalev<sup>1</sup>, N.I. Kalinkina<sup>1</sup>, E.A. Goptareva<sup>1</sup>,  
F. Bazikov<sup>3</sup>, V.I. Korolkova<sup>1</sup>*

<sup>1</sup> *Stavropol State Medical University, Stavropol, Russian Federation*

<sup>2</sup> *Stavropol Research Antiplaque Institute, Stavropol Russian Federation*

<sup>3</sup> *Charles University, Prague, Czech Republic*

Placenta extract has a complex molecular composition, which leads to diverse clinical effects. The objective of the research was to study the chemical composition of the drug "Regenerin" on the basis of the peptides of the placenta of animal origin by liquid chromatography and time-flight mass spectrometry.

It is shown that mass spectra obtained include signals of different intensity in the range 2000–10500 Da. This releases a number of characteristic features. The peptides of molecular weight 1000–10000 Da represent cytomedines that play an important role in maintaining the structural homeostasis of cell populations. These substances have the ability to regulate the functional activity of the cell populations, which explains the regenerative ability of the drug in treating chemical burns.

Thus, the regenerative effect of the drug "Regenerin" based on the impact on the signaling mechanisms of intercellular interaction. We can conclude that the regeneration process the "inside", which allows its use for immune regulation, wound healing, neurotrophic therapy, hepatoprotection and in the treatment of chemical burns of the cornea [1, 2, 3].

The use of placenta extract of animal origin, standardised according to indicators the chemical composition (peptides, amino acids, trace elements, vitamins, etc.), allows to achieve high efficiency in the regulation of regeneration processes of the cornea drug "Regenerin".

### REFERENCES

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**I.A. Bazikov**



**V.N. Zelensky**

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