

## **INFLUENCE OF GYALURONIC ACID ON THE STATE OF SKIN**

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A skin is an integument of organism. In a skin there is a number of processes : synthesis of the special proteins - collagen, elastin, melanin, synthesis of vitamin of D, and such process, as aging. Aging of skin is inalienably related to the general process of aging. Distinguish a few reasons of aging of skin, but one of leading mechanisms is a loss of moisture skin cells.

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Gyaluronic acid (GA) is in our organism, mainly in a skin, she is the inspector of moisture in our skin, that helps to save elasticity, resiliency, tone, and helps the squirrel of skin (to the collagen and elastin) to support the form. One molecule of GA links about 1000 molecules of water and creates the effect " of pampers".

GC creates the internal volume of fabrics, providing optimal terms for functioning of skin cells. GA helps to bring down the process of evaporation of moisture from a skin; to influence on activity of cages; to assist neutralization of free radicals (they are main culprits of aging of skin); to perform the protective duty of the cutaneous covering (from infections); to assist more rapid cicatrisation of wounds; gel- and tape to form with an anti-inflammatory action.

There are 2 types of GA : high molecular to GA and low-molecular to GA. High molecular to GA impenetrate skins in less degree, her function is the superficial moistening, she creates microtape allowing to retain moisture, there is an instantaneous effect of lifting and smoothing out of skin at her application, and she is used for the contour plastic arts. Low-molecular to GC does not smooth out a skin, in a much less degree is a humectants, her basic function is adjusting of formation of enzymes, supporting integrity of skin barrier, providing of natural UF- protective, and is used for biorevitalithation .

GA enters in the complement of cosmetics, including fitocream, that gives an opportunity longer to save youth of skin.