

## EFFECT OF SULFUR ON THE SKIN

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**Introduction.** Sulfur is a yellow mineral. The fact that sulfur is an element useful to the skin of the face has been heard by many, but few know what its benefits are and how to use it correctly.

**Aim.** Investigate the effect of Sulfur on the skin of the face.

**Materials and methods.** Review of scientific literature.

**Results and discussion.** Sulfur is an active substance of keratolic nature, reduces keratosis (excessive keratinization) around the excretory ducts of the sebaceous glands and inflammatory elements, facilitating their removal, has anticomedogenic effect.

It takes an active part in the synthesis of connective tissue, is used in antiseborrheic drugs and in preparations for the treatment of acne, as well as to improve skin turgor. Sulfur penetrates the skin best of all, where it turns into sulphides and sulphates, which then enter the blood and are excreted by the kidneys.

In the skin, sulfur is mainly in the epidermis, where it manifests its actions. Takes an active part in the synthesis of connective tissue, gives the nails, skin and hair the necessary structure and maintains a healthy look. Sulfur plays an important role in inflammatory reactions of the body, which is expressed in the inhibition of all three stages of this process by suppressing inflammatory mediators and reducing lipid peroxidation. At the same time, organic sulfur compounds stimulate reparative regeneration processes.

The main beneficial properties of sulfur: maintains the oxygen balance in the skin, making it more elastic; antiseptic properties of sulfur can suppress bacteria that cause rashes on the face; narrows pores, which reduces the likelihood of acne and black dots; It has an anti-inflammatory effect on pustular eruptions, allowing them to mature faster; can have a slight anesthetic effect on inflammation foci; external use of sulfur on lesions is able to dry small pimples; can be used as a peeling to remove the upper horny layer of skin; the general level of immunity when using sulfur increases

Sulfur is divided into 2 types: Medical (purified) – this type of sulfur is safe, it is part of cosmetics, medicinal ointments, talkers, etc. Medical sulfur has the appearance of powder. To treat acne and acne, take powdered sulfur powder by mouth daily with meals. Homeopathic sulfur – it is produced in the form of granules, which include active substances. This type of sulfur is used only under medical supervision.

Reception of Sulfur inside: 1. Solgar, Glucosamine Hyaluronic Acid Chondroitin MSM, 120 Tablets. 2. Bluebonnet Nutrition, MSM, 1000 mg, 120 Vcaps. There Sulfur is found in the most digestible, methyl sulfonylmethane.

And for external use is used sulfur-tar mask, which is used as a peeling. Also, this tool is sulfuric soap for daily washing. Sulfur-salicylic ointment is a combined preparation for external use. When applied to the skin sulfur, interacting with organic substances.

Sulfur colloidal – plays a significant role in cosmetology and dermatology, because of its solubility in water (up to 10%) it has many advantages over insoluble sulfur preparations.

**Conclusions.** Exploring scientific reference books, encyclopedias and sites with scientific literature, we described the effect of sulfur on the skin.

## CHARACTERISTICS AND ANALYSIS OF THE ASSORTMENT OF SHOWER GELS

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**Introduction** Today, all modern women and men in varying degrees, resort to the use of various cosmetics. Means for skin care, hair and various decorative cosmetics, used to improve the appearance of a person, as well as to give freshness and beauty to the face and body.

Modern shower gel is much more than soap. Soap dries the skin, and the gel, due to the content of moisturizing ingredients, is able to make it more smooth and delicate, it became more convenient to apply, due to the liquid consistency, a pleasant aroma and, of course, washing properties.

**Aim** The purpose of this research work was to study and compare the established physical and chemical characteristics of the developed foam-washing agent with ready-made gels for intimate hygiene produced by manufacturers presented in the Ukrainian market.

**Materials and methods** Raw materials for the manufacture of detergent products must comply with the requirements of the approved documents in accordance with the established procedure. According to toxicological indicators of safety, detergent products belong to the 4th hazard class (low-hazard substances). irritant and sensitizing effects.

**Results and discussion** The basis of the shower gel is distilled water and surfactants that wash away dirt and grease film. Depending on the problem that the shower gel solves, that is, the type of skin it needs, the creators can include in the product both quite aggressive detergents and softer components, for example, for dry skin. Gels may contain soap, but in very small quantities. And some manufacturers have long replaced the soap with other components. All shower gels must contain water.

**Conclusions** It was revealed that the current gels do not harm the skin, as many consumers still believe, but on the contrary, they are more benign. When choosing a shower gel, the main properties are consumer properties, not physical and chemical. Thus, we can conclude that the range of modern shower gels is diverse, the composition contains modern surfactants. Shower gels are superior to soap, because they do not dry out the skin, have a wonderful aroma and do not cause allergies. Nowadays, many consumers give their preference to shower gels of foreign manufacturers, as they trust the quality of the product more. The perfect shower gel – no color and no smell. Only in this case, you can count on the fact that there are no dyes and synthetic fragrances.

## MIKROTOKY – HARDWARE STIMULATION OF REJUVENATION

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**Introduction** Mikrotokova therapy – this hardware cosmetology procedure, which is performed for the treatment of dermatological diseases, eliminate cosmetic defects and prevent skin aging.

**Aim** Mikrotokova therapy, unlike traditional myostimulation not cause noticeable muscle contraction.

However, the impact on individual muscle fiber by streamlining its internal processes. It recovers gangrenous muscle spasms shoot, improving the aesthetic appearance of the face. Smoothing nasolabial folds disappears «second» chin. Stimulation of fibroblast activating collagen and elastin.

It can not only reduce wrinkles but also improve skin elasticity, restore its turgor.

**Materials and methods** Professional device designed for multiple operating modes that differ in purpose. First, the skin is cleaned of makeup and impurities. Further, the face smeared with a special gel that acts as a conductor for the pulse currents.

**Results and discussion** Mikrotokovoyi full course of therapy usually includes 10-15 interval between them – 2-4 days.

Main results. Proved that mikrotokova therapy – comfortable and convenient procedure that helps eliminate wrinkles and bags under ochyma.U combined with a healthy lifestyle, it helps keep your skin in the long tonusi.Rezultaty become visible quickly:

- reduce edema;
- accelerate the metabolism of cells to 10-12 days (in normal conditions change occurs 30-32 days);
- reduce age spots;
- improve complexion;
- improve the contour of the face;
- correction of dark circles under the eyes;