

DOI: <https://doi.org/10.5281/zenodo.11253198>

APPLICATION OF ELECTROPHORESIS PROCEDURE IN COSMETOLOGY

Shokirova Farangiz Shavkatovna,
Tashkent International University Kimyo

Xakimov Dilshod Rustamovich,
Tashkent International University Kimyo

Khatamov Ulugbek Altibaevich
Tashkent International University Kimyo

АННОТАЦИЯ

Процедура электрофореза в косметологии представляет собой инновационный метод доставки активных ингредиентов косметических средств в глубокие слои кожи с использованием электрического поля. В данной статье рассматривается механизм действия электрофореза, его преимущества и применение в современной косметологической практике. Обсуждаются основные аспекты использования данной процедуры, включая увлажнение и питание кожи, борьбу со старением, уменьшение пигментации и лечение акне. Электрофорез является эффективным инструментом в уходе за кожей и может быть успешно применен как самостоятельно, так и в комбинации с другими косметологическими процедурами для достижения оптимальных результатов.

Ключевые слова: электрофорез, косметология, процедура, активные ингредиенты, кожа, уход, увлажнение, питание, старение, пигментация, акне.

ABSTRACT

Electrophoresis procedure in cosmetology represents an innovative method of delivering active ingredients of cosmetic products into the deeper layers of the skin using an electric field. This article discusses the mechanism of action of electrophoresis, its advantages, and its application in modern cosmetology practice. The main aspects of using this procedure are discussed, including moisturizing and nourishing the skin, combating aging, reducing pigmentation, and treating acne. Electrophoresis is an effective tool in skin care and can be successfully used both independently and in combination with other cosmetic procedures to achieve optimal results.

Keywords: electrophoresis, cosmetology, procedure, active ingredients, skin, care, moisturizing, nourishing, aging, pigmentation, acne.

Introduction. Modern trends in cosmetology are focused on finding effective and innovative methods of skin care capable of providing maximum improvement in its condition and appearance. One such method is electrophoresis - a procedure based on the use of an electric field to deliver active ingredients of cosmetic products into the deeper layers of the skin.

In this article, we will consider the main aspects of applying the electrophoresis procedure in cosmetology, including the mechanism of its action, advantages, and prospects for use in modern practice. The key points of using electrophoresis for moisturizing and nourishing the skin, combating aging, reducing pigmentation, and treating acne will be discussed.

The aim of our study is to provide an overview of electrophoresis as a promising method of cosmetological care and to identify its role in achieving optimal results for skin health and beauty.

The object of the study of this work is the application of the electrophoresis procedure in cosmetological practice with the aim of improving the condition and appearance of the skin.

The research methodology is based on a comprehensive analysis of literary sources, conducting experimental studies, clinical observations, and a comparative analysis of the effectiveness of the procedure.

The analysis of literary sources involved studying existing scientific publications related to the use of electrophoresis in cosmetology to identify key trends, advantages, and limitations of this procedure.

Experimental studies included a series of experiments on different skin types using various cosmetic products and electrophoresis procedures, which allowed us to evaluate their effectiveness and impact on the skin condition.

Clinical observations were conducted at cosmetology centers to assess the results of the procedure's application in real conditions and identify possible side effects. Comparative analysis involved comparing the effectiveness of electrophoresis procedure with other methods of cosmetological care to identify its advantages and disadvantages.

Mechanism of action: The electrophoresis procedure is based on the use of an electric field to enhance the penetration of active components into the skin. Under the influence of the electric field, the cell membranes of the skin become more permeable, which allows for enhanced penetration of cosmetic ingredients and increases their effectiveness.

Advantages: The use of electrophoresis in cosmetology has many advantages. Firstly, it allows achieving deeper penetration of active components into the skin, which increases their effectiveness. Secondly, electrophoresis contributes to improving

metabolic processes in the skin cells, which leads to the improvement of its condition and appearance.

Application in practice: The electrophoresis procedure can be applied to address various cosmetological problems, such as moisturizing and nourishing the skin, combating signs of aging, reducing pigmentation, and treating acne. It can be performed both independently and in combination with other cosmetological procedures to achieve the best results.

Based on the research conducted in this work, the following scientific conclusions are drawn:

1. The use of the electrophoresis procedure in cosmetology demonstrates high efficiency in achieving deep penetration of active components of cosmetic preparations into the epidermal and dermal layers of the skin.
2. Electrophoresis in cosmetology effectively improves the condition of the skin by intensively moisturizing, nourishing, reducing hyperpigmentation, and decreasing acneiform eruptions.
3. The research results confirm the possibility of successful use of electrophoresis as an independent procedure, as well as in combination with other methods of cosmetological care to achieve optimal results.
4. Further scientific research in this area can be aimed at further studying the mechanisms of action of electrophoresis, developing new cosmetic preparations, and optimizing the protocols for conducting the procedure to provide an individualized approach to the treatment of various dermatological problems. Based on the conclusions drawn, it can be concluded that the application of electrophoresis in cosmetology is promising and significant for improving the health and appearance of the skin.

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