

Analysis of hyaluronic acid usage in Municipality of Stip

Dijana Miceva*¹; Elena Drakalska Sersemova¹; Tamara Tashkov², Bistra Angelovska¹.

¹Faculty of Medical Sciences, Goce Delcev University, Krste Misirkov bb, 2000 Shtip, Republic of North Macedonia

²Clinical Hospital-Shtip, Ljuben Ivanov 25, 2000 Stip, N. Macedonia

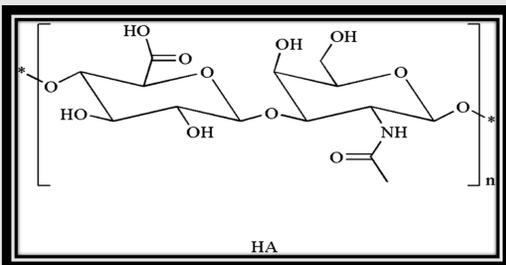
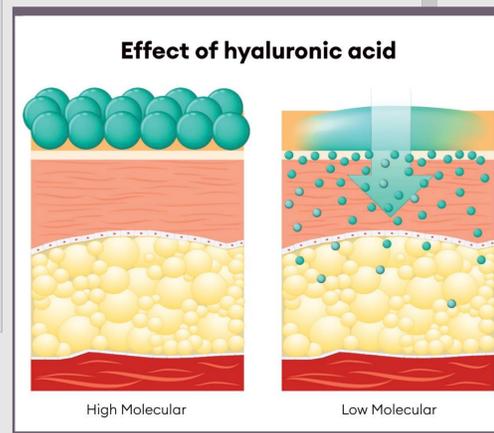
Introduction

HA is one of the most widely used active ingredients in cosmetics.

The purposes of skin care cosmetics include cleaning the skin, preserve the skin's moisture balance and stimulate skin metabolism. Skin care cosmetics contain substances which enable the skin to function properly.

- Hyaluronic acid (HA) and its sodium and potassium salts are important cosmetic ingredients that are incorporated in moisturizing and anti-ageing products. Hyaluronic acid has a unique capacity to link and retain water molecules.

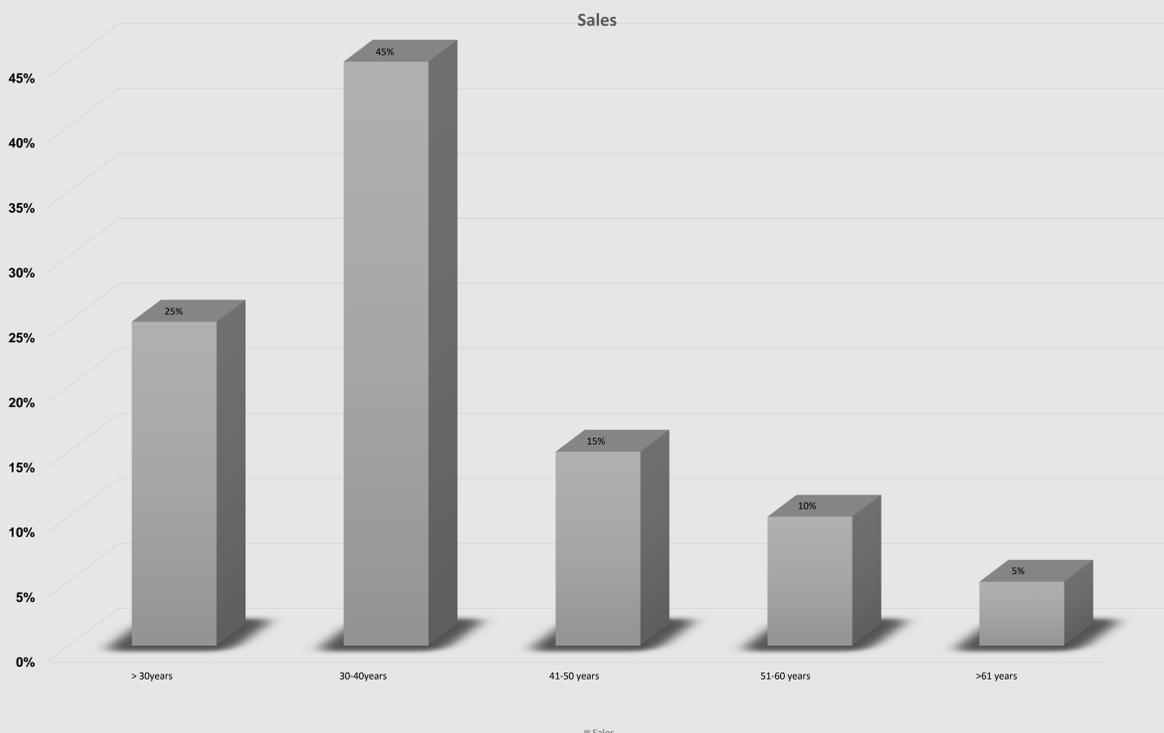
Namely, this Active pharmaceutical ingredients (API) forms a film on the surface of the skin, protects the stratum corneum, prevents the occurrence of transepidermal water loss and provides hydration to the epidermis



Materials and methods

In order to determine the information about the use of preparations with hyaluronic acid and the occurrence of side effects from it, we made a research by making a survey to 60 volunteers aged 35-60 years, with a place of residence in Stip.

Results and discussion



Regarding the attitude of the respondents about the importance of skin care, 55% answered that skin care is very important, but the availability and affordable price play a key role. For 35% of respondents, the economic factor is not a problem at all, while 10% of respondents believe that the use of skin care products is not significant.

In terms of usage of hyaluronic acid preparations, the survey showed that 84% of the respondents have already been using hyaluronic acid. Most of the respondents used creams, due to the easy application and availability, while a smaller part of the respondents use serums. Despite their greater effectiveness, the serum is less commonly used due to the feeling of dryness and the need for additional application of moisturizer.

Despite the fact that the awareness for the usage of hyaluronic based preparation is high, many of the respondents believe that their knowledge about it is superficial and they have needs for additional information and believe that the best source would be pharmacists starting from the fact that most respondents have heard of these preparations from pharmacist in a pharmacy.

Conclusion

Hyaluronic acid as a biocompatible, biodegradable and non-immunogenic biopolysaccharide is widely used in medical and cosmetic purposes. According to the investigation conducted with a questionnaire, hyaluronic acid has a beneficial effect on the skin and in general, no side effects from its use have been registered. Despite the benefits of using it, the price is still the limiting factor for the use of Hyaluronic acid in most of the respondents. Increasing the use of Hyaluronic Acid can be achieved by implementing a better marketing plan and reducing the cost.