



INTRODUCTION

Hyaluronic acid is a biocompatible, biodegradable, and non-immune glucosaminoglycan, that is found throughout the body in various tissues and fluids and binds to specific cell surface receptors. In recent years, hyaluronic acid and its derivatives have been widely used in various drug delivery systems such as nanoparticles, according to the fact that it binds to the expressed CD44 receptors in certain types of tumors. Due to the numerous advantages, hyaluronic acid presents a challenge for the formulation of innovative preparations and their application for cosmetic and medical purposes.

METHODOLOGY

For this purpose, we used relevant data from primary, secondary and tertiary literature, recommendations from Evidence-based Medicine, official data from world and national drug registers. For data processing we used the descriptive method and presented the obtained results in tabular and graphic form.

RESULTS AND DISCUSSION

-The obtained results showed that hyaluronic acid is optimal substance for medical purposes, providing higher therapeutic concentration of cytostatic in tumor tissues achieved by surface modification of nanoparticles, better flexibility of joints and reduction of postoperative complications in cataracts by use in gel form.

Have you ever use hyaluronic acid

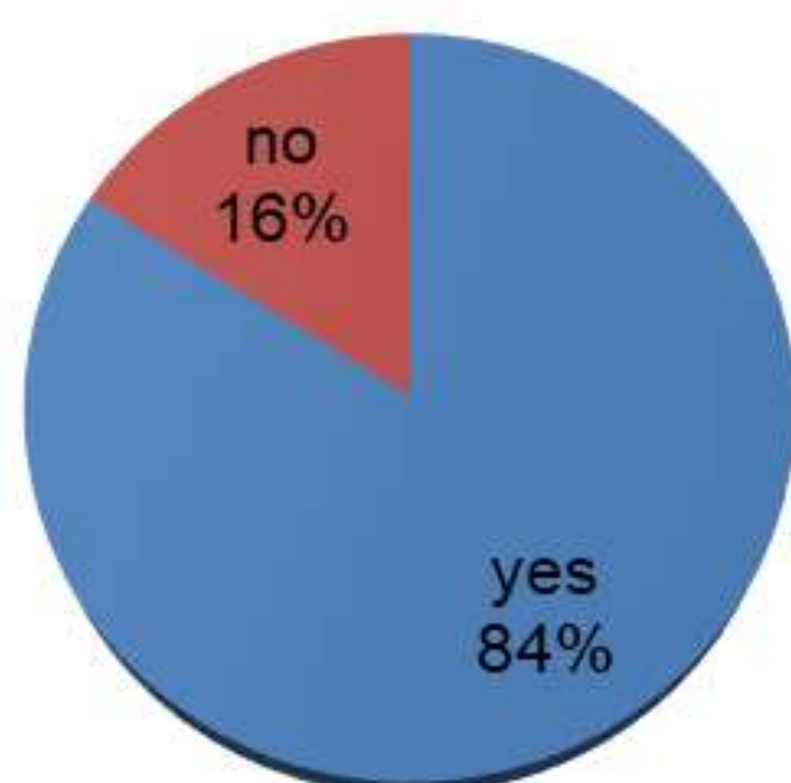
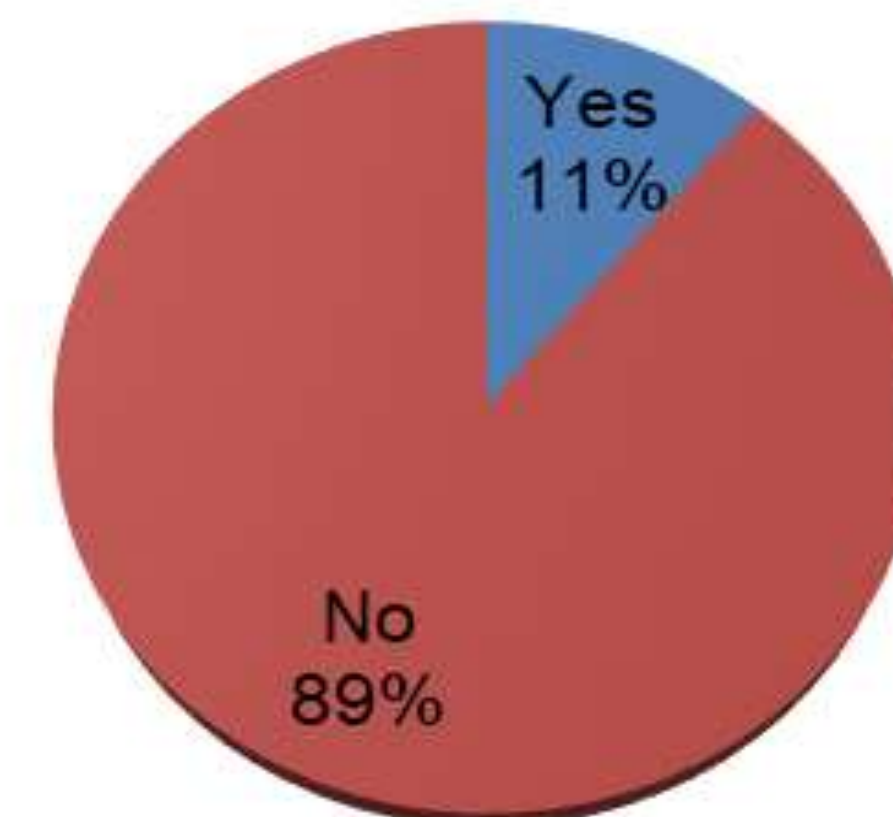
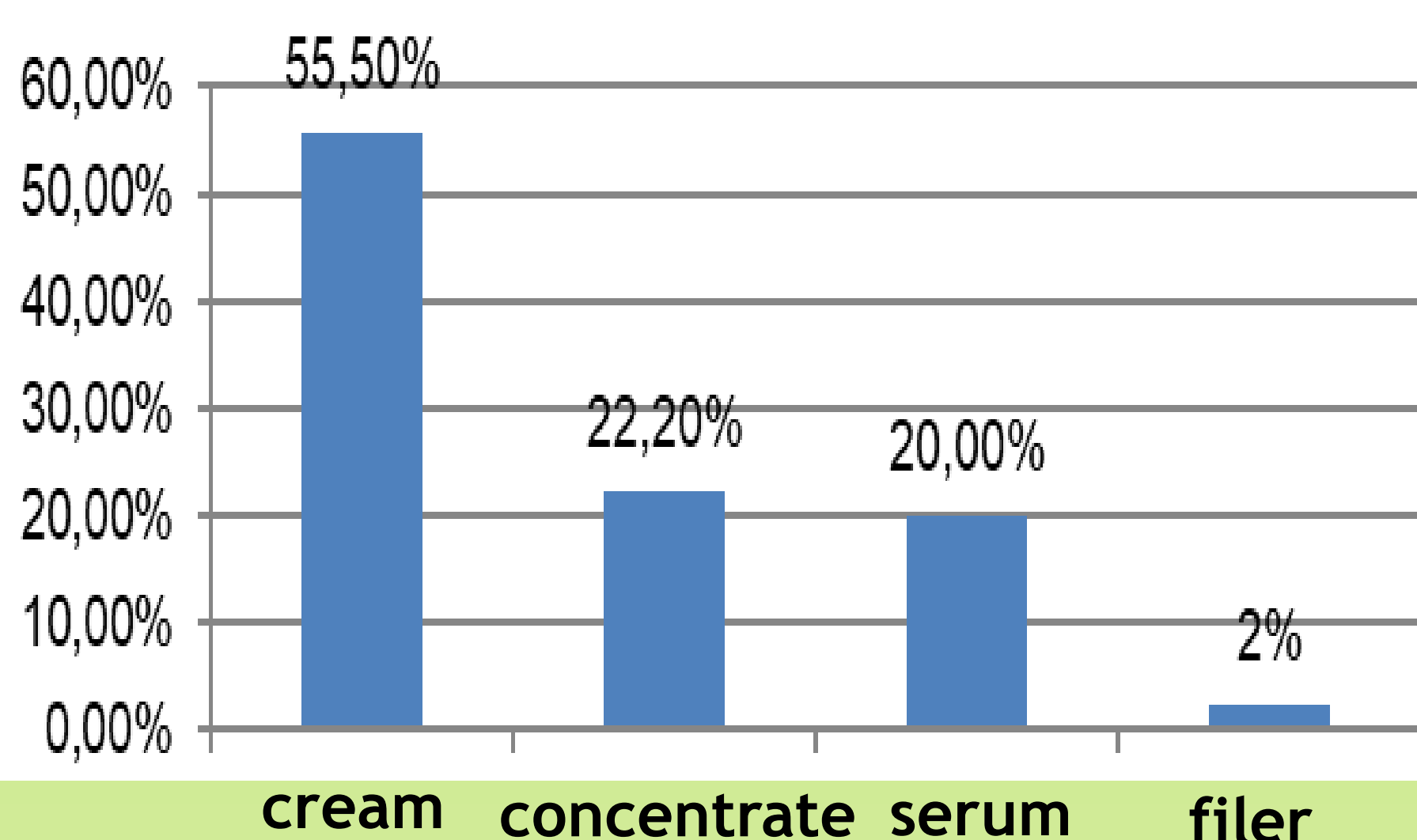


Figure 1. Percent of users of hyaluronic acid

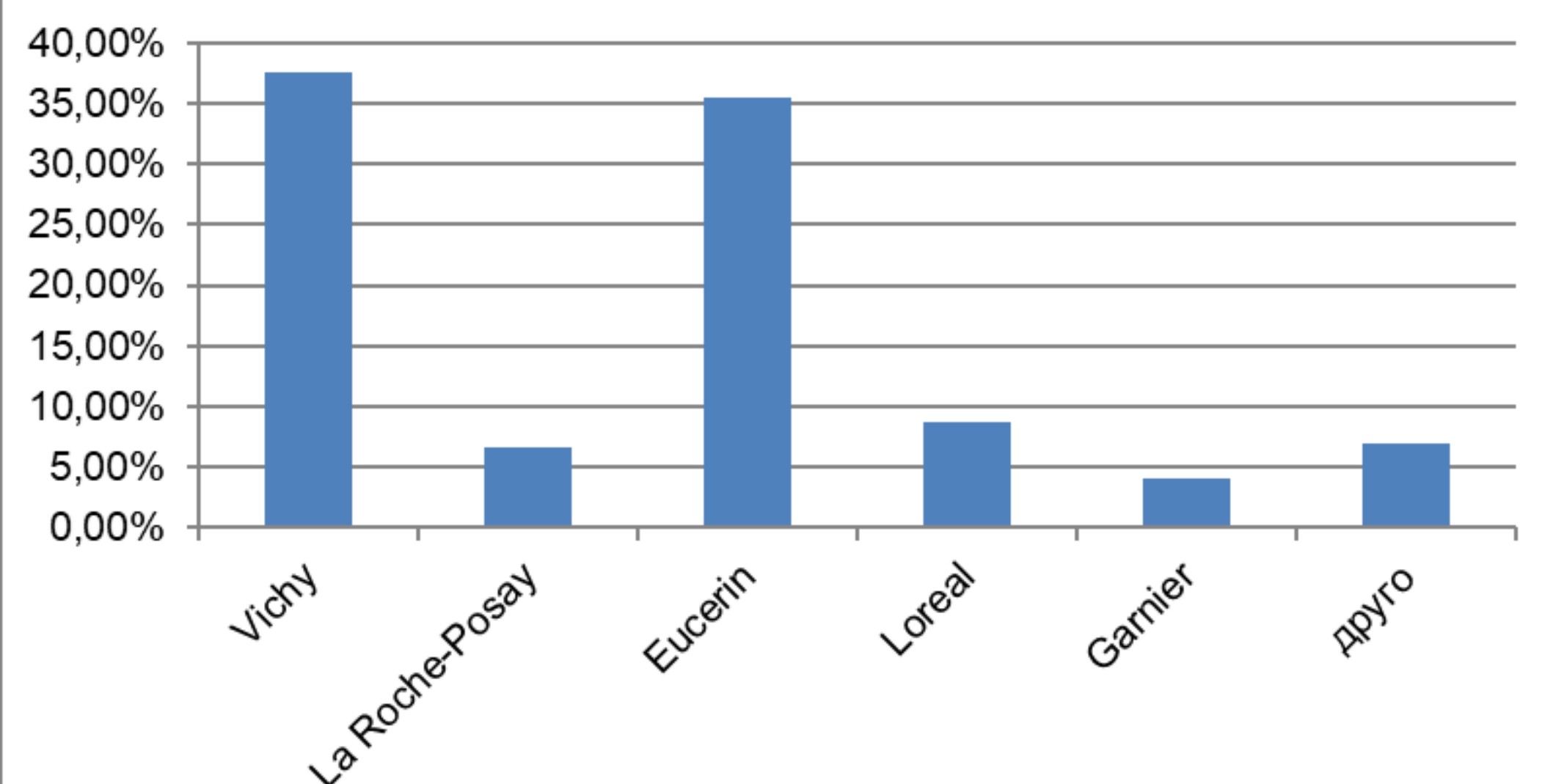
Occurrence of side effects



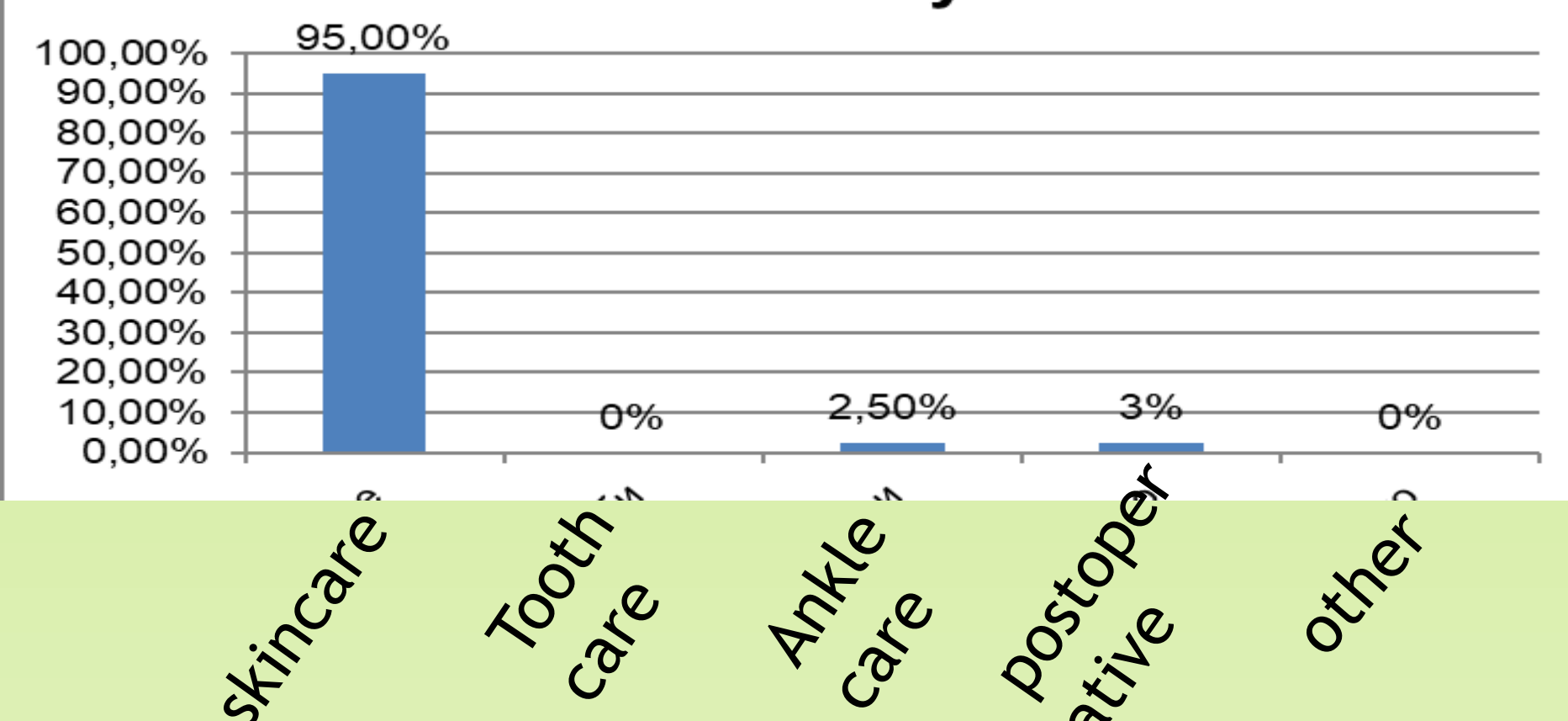
Type of preparation with hyaluronic acid



Choice of manufacturers



Indication for use of hyaluronic acid



CONCLUSION

According to the results from survey questionnaire, although 84% of the respondents use hyaluronic acid, the price is a major limiting factor for use in cosmetic purposes. In addition to the price, insufficient knowledge of the respondents about the advantages of this active substance, also limits the use of patented preparations.