

THEORETICAL SUBSTANTIATION OF ACTIVE SUBSTANCES' CHOICE IN DENTAL GEL "DENTAVIR-PHYTO"

Al-Mashhadani Ali Fawzi, Yarnykh T. G., Rukhmakova O. A.

National University of Pharmacy, Kharkiv, Ukraine

rukhmakovaolga@gmail.com

Introduction. In dental practice called stomatitis any inflammation of the mucous membrane in the mouth. The disease can occur in people of all ages perfectly. The most common cause of stomatitis is the lack of hygiene of oral cavity. However, the sores can appear and for other reasons, so it is also divided into several types: fungal, herpes, bacterial, etc.

Medicines of local action are a compulsory component of treatment of any kind of stomatitis. The purpose of their use – removing inflammation, pain and accelerating healing of ulcers, prevent infection. Today more and more of dentists in treating stomatitis recommend the usage of medicines based on natural plant material, the advantages of which are in focused therapeutic effect and the almost complete absence of side effects.

Aim is theoretical substantiation of active substances' choice for creation a new dental gel under conditional name "Dentavir-phyto".

Results and discussion. Among the known medicinal plants that can be used in the treatment of stomatitis, worth noting licorice, sage, peppermint and others. Licorice root extract was used in 1970 primarily only for the treatment of stomach ulcers. It is known that a licorice for 4000 years used as a reparative agent. Therapeutic opportunities of licorice root extract are due to the fact that licorice has anti-inflammatory and analgesic properties.

The most serious side effect of stomatitis is a sharp pain in the mouth, which can affect the quality of life (affect eating, language). Scientists have shown that in addition to the healing of ulcers in stomatitis licorice root extract helps reduce pain in just three days of treatment.

Sage is not by chance got its name, which comes from the word "salvia" – sun care. This plant is considered sacred in ancient times, honored her great physicians like Hippocrates and Dioscorides, and everything that sage has a strong disinfecting action, used in our time. Sage with stomatitis is used as an antimicrobial and astringent mean, which helps neutralize inflammation and dries oozing sores.

Mint for thousands of years is widely used in Western and Eastern medicine to treat various diseases; eliminates the pain and inflammation in caries, gingivitis and stomatitis.

Conclusions. So promising medicinal plant raw materials for creation of dental gel for the treatment of stomatitis can be licorice root extract, sage and peppermint.