Секция «Экспериментальные исследования»

The role of flavonoids of medicinal plants in medicine

Абилгасанли А.Ю.[1], *Терякова М.В.*[2]

1 - Первый Московский государственный медицинский университет имени И.М. Сеченова, Москва, Россия, *E-mail: asdfghjkl00.00@bk.ru*; 2 - Первый Московский государственный медицинский университет имени И.М. Сеченова, Москва, Россия, *E-mail: mteryakova@mail.ru*

The research is devoted to the determination of flavonoids in plants, a unique "aibolites" for humans [1], and to the one of the important problems in medicine - the production of drugs and dosage forms based on natural raw materials of domestic origin [3].

Objective: to study flavonoids of medicinal plants and their effect on a human body.

To achieve this goal, we have set ourselves the following tasks:

1) To study the literature on the use of flavonoids in medicine.

2) To study the biochemical composition of St. John's wort, a horsetail, and tansy.

3) To carry out experiments to determine flavonoids in these plants with the help of qualitative reactions.

4) To conduct a sociological survey among pupils, parents and teachers of our school on the topic of research and the need for the production and use of medicinal forms based on the flavonoids of St. John's wort, horsetail and tansy.

Starting with the study, it was suggested that plants (St. John's wort, horsetail and tansy) are the sources of flavonoids [2], therefore, these plants can be widely used as a natural raw material for the manufacture of dosage forms and preparations for the treatment and prevention of many diseases.

The results of the study showed that the chemical composition of these plants is complex. Flavonoids are richer than tansy. A sociological survey showed that among the participants the greatest demand is for preparations and dosage forms based on St. John's wort, tansy.

This research allowed us to deepen our knowledge in the field of chemistry and biology, medicine, to gain new knowledge through research, which will help us in choosing our profession.

Источники и литература

1) Максютина Н.П., Литвиненко В.И. Методы выделения и исследования флавоноидных соединений // Фенольные соединения и их биологические функции. М., 1968. – с. 7 – 26

2) Полуденный Л.В., Сотник В.Ф., Хлапцев Е.Е. Эфирно-масличные и лекарственные растения. — М.: Колос, 1979. – 286 с.

3) Шаршунова М., Шварц В., Михалец И. Тонкослойная хроматография в фармации и биохимии. — М., 1980. – 260 с.