

THE USE OF MEDICINAL PLANT RAW MATERIAL FOR THE TREATMENT OF THYROID DISEASES

Kononenko K.A., Chushenko V.N., Levachkova Yu.V.

The National University of Pharmacy, Kharkiv, Ukraine

kseniyakononenko@yandex.ru

According to the World Health Organization thyroid disease increases with each passing year. Currently, the prevalence of this pathology in Ukraine is 599 per hundred thousand population and takes a second place after diabetes. According to static data a rise of numbers of thyroid diseases in the world is up to 5 % a year.

15 millions people in our country suffer from thyroid diseases, that is every third in Ukraine. This pathology takes the first place from all endocrine pathologies in child practice. Endocrine diseases lead to high perinatal mortality, birth of mentally retarded children and retarded physical development of children.

Medicines for the treatment of thyroid in Ukraine are produced by 5 pharmaceutical plants. After analyzing the range of industrial and extemporaneous production of medicines for the treatment of thyroid cancer in Ukraine, it was established that the needs of this group of patients are not satisfied. The aim of this work is to study medicinal plants for the treatment of thyroid diseases.

To solve the above problem, it is necessary to expand the range of extemporaneous production, for example, remedies based on medicinal plants.

Previously it was thought that the main condition for the normal functioning of the thyroid gland is adequate intake of iodine. To date, scientists have found new approaches to the treatment of diseases related to the thyroid gland.

German and Belarusian endocrinologists found that regular use of iodine does not lead to the desired result because the thyroid gland decreases slightly and requires the presence of trace elements such as selenium and zinc, as they contribute to the better absorption of iodine and moreover they are involved in the synthesis of thyroid hormones.

Range of raw materials containing iodine, selenium and zinc are presented in following plants: thallus of laminaria - seaweed, grass of european zyuznika and common cocklebur, flax seeds, herb of hypericum, milfoil. These plants have been used for a long time in folk medicine for the treatment and prevention of diseases of the thyroid gland.

Thus for the treatment of thyroid pathologies perhaps it is possible to use medicinal plants above mentioned.