

DEVELOPMENT OF DRUG FEES TO THYROID MEDICATION

Kononenko K., Chushenko V.

The National University of Pharmacy, Kharkiv, Ukraine

chushenkov@rambler.ru

According to the WHO more than 2 billion Earth's inhabitants live in iodine deficiency. According to modern concepts, the term brings together a wide range of conditions associated with iodine deficiency: from a simple increase in thyroid - endemic goiter disorders to severe mental and physical disabilities - endemic cretinism. Among endocrine disorders of thyroid disease in second place after diabetes and are urgent public health problem in many countries of the world.

Iodine deficiency and its consequences cause significant economic damage to the country. The cost of treatment is much higher than the cost of the iodine prophylaxis.

Iodine deficiency can not be eliminated once and for all. The reason for its occurrence is associated with a fatal natural iodine deficiency, leading to a deficiency of this trace element in food.

Endocrinology Research Center conducted a large-scale epidemiological studies designed to assess the iodine supply of the population. Studies have shown that the actual average consumption of iodine residents of Ukraine and Russia is 40 to 80 micrograms per day, which is 3 times less than the recommended norm.

Analyzing the range of Ukraine industrial products intended for the treatment of thyroid cancer, found that the treatment of this disease is used mostly tableted dosage form.

Studies range of drugs produced in pharmacies showed that their number slightly and make the greatest specific gravity, the liquid dosage forms. Preparations for industrial and manufacturing extemporaneous not fully meet the needs of this group of patients.

For iodine supply of the population must be a regular flow of a certain dose of trace elements in the body. The basic tool for mass prevention of iodine deficiency disorders, is the use of iodized salt and medicinal plants.

The practice of medicine with the oldest being used medicinal plants for their own purposes.

In recent decades has significantly increased the use of drugs, of which consists of active substances derived from medicinal plants. Advantages with respect to biologically active substances synthetic analogues - obvious. The main advantages are: the absence of significant side effects, they are suitable for long-term use, low toxicity.

It is necessary to take into account that today, a lot of valuable medicinal products are made only from the raw materials of medicinal plants.

Research carried out by us, at the option of medicinal plant raw materials containing iodine, allowed to establish the medicinal collection for thyroid treatment.