

PHARMACOGNOSTIC RESEARCH OF THE HERBAL MIXTURE FOR TREATMENT OF THE CHRONIC GASTRITIS

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The relevance of using the medicinal plants is growing in the last decades. The advantages of phytotherapy are low toxicity, complex effects and the possibility of long-term use without significant adverse events. Diseases of the digestive system in structure of a general disease take the fourth place after the cardiovascular diseases, cancer pathology and respiratory diseases. Chronic gastritis is the main among gastroduodenal disease area (80-85%) and leads in the number of patients. The morbidity of this pathology increased by 19.9% in Ukraine for 5 years, due to the harsh living conditions and the negative impact of the environment - chronic stress, diet violations, long working hours, the lack of disease prevention and population health programs.

The aim of this work was to search for a new herbal mixture for the treatment and prevention of chronic atrophic gastritis type A and also the theoretical and experimental study of its composition. Herbal medicine plays an important role in the treatment of chronic atrophic gastritis type A: in acute phase the medicinal plants used as auxiliary medications in process of medical treatment of the patient, and in the remission phase using them may be more effective and the only allowable medicine. Among the variety of herbs were chosen 4 species that meet all the requirements and have a number of important pharmacological properties, such as expressed anti-inflammatory, reparative, enveloping, sedative, antibacterial and multivitamin effects.

The signature:

Rp.: *Althaeae radices*, *Bursae pastoris herbae*, *Calendulae flores*, *Hippophaës fructus* ana 25.0 Misce, fiat species. D. S. Take 1 tablespoon of mixture, add 300 ml of boiling water, heated on a bain-marie for 10 minutes, infuse in warm for 2 hours, then strain. Take warm the ½ cup 3-4 times a day 30 min before meals.

The commodity analysis of such herbal drugs as *Althaeae radices*, *Bursae pastoris herba*, *Calendulae flores*, *Hippophaës fructus* was done. A determination of the masses of medium and analytical samples of herbal drugs by the method of the State Pharmacopoeia of Ukraine (SPhU) was done, so as the moisture content and amount of impurities; quantitative determination of the polysaccharides, carotenoids, ascorbic acid and flavonoids amount were defined. Also the microscopic, histochemical and microchemical analysis of herbal mixture components was done.

All studied parameters of herbal mixture corresponds with the SPhU. So the given herbal mixture can be used in the acute phase or for the systemic prevention of disease. We expect the significant analgetic, anti-inflammatory and reparative effects on inflamed areas of the stomach, improving of the intestinal motility, gastroprotective and calming effects and a comprehensive vitamin and mineral reducing effects.