METHODOLOGICAL ASPECTS OF THE DRUGS DEVELOPMENT – AS AN INITIAL STAGE OF THE NEW HERBAL REMEDY CREATION

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Introduction. Development of medicinal products based on medicinal plants with a multidirectional pharmacological effect is one of the directions of creating medicines from herbal substances. The initial stage of pharmaceutical development of a drug product involves the formation of a notion of scientific research sequence, identification of objectives, validation of working assumption and consideration of the achievements of scientists dealing with the issues in this field or working with similar objects.

Aim. To identify methodological approaches to the development of a solid dosage form, namely capsules with a dense extract of burnet rhizome and roots for use in gastroenterology.

Materials and methods. To achieve the goal, analysis and synthesis, methods of scientific induction and deduction have been used as research methods.

Results and discussion. When creating capsules with a thick burnet extract, it is important to find out the place of the preparations based on herbal substances in pharmacotherapy of inflammatory diseases of the gastrointestinal tract, to study the sources that form the idea of the latest advances in the field of encapsulated herbal preparations, to substantiate the rationality of creating a new therapeutic agent and its dosage form, which is possible after the marketing analysis of the drugs used in the treatment of the above mentioned pathology.

The next part of scientific research is supposed to involve procurement and comprehensive study of the herbal substance of burnet: from the determination of technological parameters of the herbal substance and the impact of pharmaceutical factors in the development of extraction technology to physical and chemical research, the development of a project of quality control methods and the study of the new extract stability.

The primary aspects in the preparation of medicinal products include determination of the content of the active plant substance by screening pharmacological and microbiological studies, selection of auxiliary substances and substantiation for the technology of capsules with a thick extract, further study of their standardization and stability, studies of antiulcer properties to justify the applicability of the therapeutic agent in gastroenterology in the treatment of inflammatory diseases of the digestive tract.

Conclusions. Implementation of the above mentioned stages of scientific research will make it possible to substantiate the formula of the capsules with a thick burnet extract, and its creation will expand the range of drugs for the treatment of inflammatory diseases of the gastrointestinal tract.