

FUTURE OF THE DRUG BASED BEE TO TREAT FUNGAL SKIN DISEASES

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Introduction. Mycosis of skin - this is a common disease of an infectious nature, caused by parasitic, pathogenic and opportunistic microorganisms. Superficial fungal infections of the skin is a group of diseases, including ringworm, keratomikozy, candidiasis. Fungal lesions can disfigure the skin of the sick, cause severe allergic reactions including mikidy.

athlete's foot treatment is based on the following principles:

- Eliminate and reduce inflammation
- The fight against fungal infection using antifungal agents
- Restoration of a healthy blood circulation in the affected areas (to prevent recurrence)

Antifungals available in the form of system (tablets, syrups, solutions, etc.) and local (gel, ointment, cream, etc.) formulations. Currently, for the systemic treatment of mycosis widely used tools such as: Griseofulvin, Terbinafil (trade name - Lamisil), ketoconazole (brand name - Nizoral), Itrokonazol, fluconazole. The choice of drug is performed after determining the type of fungus causing the skin disease.

Our studies of this problem have shown that in the treatment of fungal infections requires prolonged use of antifungal drugs, which can lead to the development of side effects.

To reduce side effects of the use of drugs for the treatment of fungal infections we set out to explore other substances with antiinflammatory and antifungal activity, as well as their possible combinations to increase the pharmacological effect. Given the high antimicrobial, anti-inflammatory, reparative and other pharmacological characteristics of bee products, - the creation of a new drug based on them, meets all modern requirements for the topical treatment of fungal infections is important.

The **aim** of our work is to develop science-based composition, preparation technology and analysis methods for the treatment of skin mycosis.