

**BENEFITS OF A COMBINATION OF DRUGS IN THE LOCAL TREATMENT OF ACNE**

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**Abstract:** *Eczema is a disease caused by blockage of sebaceous glands and hair follicles. The rash is usually located on the face, neck, chest, back and shoulders and can persist for a long time. Mostly teenagers get sick with measles. The disease can be manifested in different degrees and sometimes it can cause cosmetic defects by leaving a scar on its own. Depression is common among boys, mainly during adolescence.*

**Keywords:** *face, neck, chest, back, cosmetic defects.*

**Cost:** Almost 90% of teenagers have depression. It is during puberty that androgen hormones, which rise to a high level in the blood, cause an increase in the function of the sebaceous glands in both boys and girls, and lead to the formation of primary comedones, which in turn causes discomfort in adolescents of this age.



**Comedones are non -inflamed elements that are formed when the sebaceous glands become clogged with dead skin tissue mixed with condensed oil. Comedones are closed ( *white comedones* ) and open ( *black comedones* ).**



Depression is also a strong mental shock factor, causing depression in patients often followed by *"post-acneal scars"*. and causes *facial skin defects* . Khusnbuzar is also inherited. If the mother and father have asthma, three out of four children will definitely have asthma (75%). If one of the parents has asthma, then one out of four children will have asthma (25%).



**THE FOLLOWING 3 LEVELS OF DISEASE ARE DIFFERENTIATED.**

No	Degree	Comedone the number of	Inflammatory elements number	Total number of rashes	Cysts the number
1	Mild degree	20 less than	15 less than	30 less than	no
2	Moderate severity	From 20 to 100	15-20 around ta	From 30-125	no
3	Heavy level	100 more than	50 more than	125 more than	More than 5

**TRIGGER FACTORS LEADING TO HUSNBUZAR:**

1. Being hereditary
2. Stresses
3. Endocrine system dysfunctions
4. Use of cosmetic products
5. Disorders in OIT (JKT).
6. Harmful habits
7. A number of exogenous factors (high consumption of fatty foods, milk and sweets)

**The main mechanisms of the origin of asthma:**

- A) Increased oil production in the skin
- B) Obstruction of the ducts of the sebaceous glands
- C) Proliferation of "Propionibacterium acne" in sebaceous glands



**The purpose of the work: to determine the effectiveness of "Furamag" belonging to Nitrofuran products in combination with "Aknil" (clindamycin and metronidazole) liniment in the treatment of dysentery. Furamag is an antimicrobial drug belonging to the group of nitrofurans with a wide spectrum of action. The mechanism of action is related to the inhibition of the synthesis of nucleic acids in the microbial organism. Under the influence of nitrofurans, the activity of the respiratory chain and tricarboic acid in microorganisms stops, as well as other biochemical processes are derailed, the microbial membrane and cytoplasm are eroded, which leads to their destruction.**



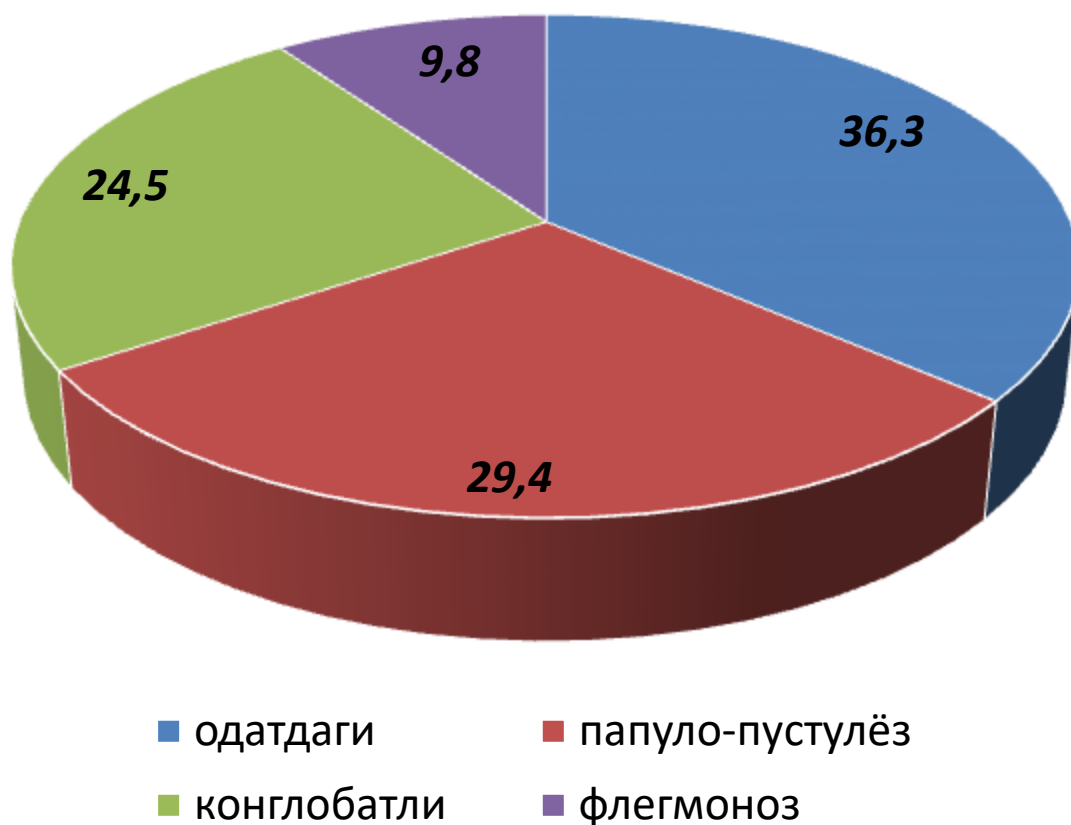
**Instructions for the drug Furamag:**

- A. Urogenital infections
- B. Gynecological diseases
- C. Skin and soft tissue infection
- D. Severely infected burns

**Instructions for acne cream:**

1. Treatment of acne rashes (inflammatory papules, pustules)
2. Seborrheic dermatitis
3. Folliculitis,
4. Pink poppy
5. Periodontal inflammation of milk
6. Otitis media

**Materials and methods:** 36 patients were under our observation, including: (20 men, 16 women). The age ranged from 18 to 30 years, and they had been diagnosed with asthma for 4 months to 8 years. Almost all of these patients have been using various creams and lotions against acne during this period.



**ADVANTAGES OF USING NITROFURANS:**

- a) Does not disturb the normal intestinal microflora,
- b) Increases the body's resistance,
- c) Eliminates endotoxycosis,
- d) It has a bacteriostatic effect, and in high doses it has a bactericidal effect.
- e) *Helicobacter pylori*, *Propionibacterium acnes* and *demodex folliculorum*

have been found to be highly active. Nitrofurans IFA in patients with epilepsy **about 70%** using the method found in patients It also has a strong antibacterial effect on *Helicobacter pylori* .

The following treatment regimen was recommended to all patients:

1. Antihistamine drugs
2. Anti-inflammatory drugs
3. Hyposensitizing drugs
4. Drug "Furamag-50 mg" from the family of nitrofurans 2 capsules (100 mg) 3 times a day after meals for 14 days. "Aknil" liniment is to be applied to rashes on the face 2 times a day for 20 days

**Results:** A clear therapeutic effect began in 34 out of 36 patients (94.44%) from the 12-13th day of treatment, the pathological process decreased sharply, the mood of the



patients was also high, and side effects were not observed in almost any patient. The results are shown in the pictures below before and after treatment



Before treatment After treatment



treatment After treatment

Be  
fore







Before treatment After treatment



Before treatment After treatment

**Summary:** Liniment has an antimicrobial, antibacterial, antiprotozoal effect, metronidazole is practically not absorbed when applied locally. Clindamycin hydrochloride, when applied to the skin, hydrolyzes in the secretion channels of the sebaceous glands and turns into the active substance clindamycin. Metronidazole, when applied topically, has an antitussive effect, but the mechanism is unknown. When used topically, metronidazole may have antioxidant activity. It has been found to significantly reduce active oxygen, hydroxyl radicals and hydrogen peroxide produced by neutrophils, which are potential oxidants that can damage tissues in the area of inflammation. Metronidazole is ineffective against telangiectasias in pink poppy when applied topically. The mechanism of action of clindamycin consists in inhibiting the synthesis of bacterial oxygen, which is "*Propionibacterium acnes*" and has an indirect anti-inflammatory effect. The number of inflammatory papulopustular elements is significantly reduced:

**The following conclusions can be drawn from our work.**

- A. It is necessary to pay great attention to its etiopathogenetic factors in asthma.
- B. Furamag's " *Demodex folliculorum*, *Helicobacter pylori* and *Propionibacterium "acnes"* increases the possibility of mild and short treatment of the disease.
- C. Acne liniment, in turn, is most effective as a local remedy.
- D. The combination of Furamag and Aknil is the most convenient, inexpensive and effective for patients in the treatment of acne, as well as providing the possibility of treatment with almost no side effects.

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