

SPECIFIC PROPERTIES OF LEVAMICOL OINTMENT

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Keywords: methyluracil, sulphonamides, purulent-inflammatory phenomena, chloramphenicol, hyperemia, necros

Comprehensive and in-depth study of adhesive disease of the abdominal cavity, A large number of studies have been devoted to the issue of its prevention and treatment, but The issue of adhesion formation remains unresolved and relevant to this day. Postoperative adhesions may cause pain, dyspeptic disorders, infertility and the most dangerous complication – intestinal obstruction. Prevention of adhesions using a pathogenetically based anti-adhesive drug would reduce number of complications, mortality in the postoperative period, improve quality patient's life. Methyluracil is a pyrimidine derivative. Widely and successfully used for acceleration of cellular regeneration processes, stimulation of cellular and humoral protective factors. It also has an anti-inflammatory effect. The ability of methyluracil to reduce negative effects on the body antibiotics, sulfonamides, hormones and other drugs increasing cell resistance is the rationale for its use in combination with chloramphenicol . One of indications for the use of methyluracil is the prevention of adhesive disease abdominal cavity. Being a non-steroidal anabolic, methyluracil has a positive effect on the speed of healing of damaged tissues (N.V. Lazerev, 1958; V.G. Walter and N.M.Goloshchapov, 1970; V.G.Fedunenکو, 1970; G.N.Neykov, 1974; Yu.I. Kholupyak, 1980), that explained by its stimulating effect on the processes of cell reproduction. Intraperitoneal use of methyluracil in ointment promotes rejection necrotic tissues and reduction of purulent-inflammatory phenomena. (V.G. Walter and L.Kh.Batchaeva, 1966; D.V. Usov et al., 1966). In combination with antibacterial means the drug is recommended for the treatment and prevention of suppurative processes of various etiologies (Z.V. Ermolyeva, 1974). Of particular importance in ensuring the therapeutic effect of the combined ointment is its basis, which here loses the role of a passive “filler” and becomes active component of ensuring the therapeutic effect of the ointment (S.R. Sagreuter et al., 1952; K. Christov et al., 1970). In a combination drug, the role of the carrier is significant increases both in terms of the compatibility of the components dissolved in it and ensuring their release and its pharmacological indifference. Polyethylene oxide (PEO), used as an ointment carrier, has a number of advantages over other means used for this purpose: it dissolves hydrophilic and hydrophobic substances; adsorbs wound exudate well, good applied to the serous surface, mucous membranes, skin, evenly over them distributed, does not

interfere with physiological functions of these formations. Vector theory is convenient to use for: comparison of antimicrobial properties of similar products among themselves, including for studying the antimicrobial equivalence of the same

Medicines for different manufacturers; control antimicrobial properties of various series of drugs in production in the form of fluctuations this indicator within certain limits; pharmaco-economic assessment of drugs in quality coordinates (integral indicator of antimicrobial activity) – drug price, etc. When treating a burn wound in the traditional way using ointments "Levomekol" for the first phase of the wound process were characteristic pronounced inflammatory changes in the edges and walls of the wound: swelling, skin hyperemia, progressive tissue infiltration, pain

upon palpation. Clear inflammatory demarcation of the lesion, non-viable tissues did not occur. Surface and walls of the wound acquired a gray tint, became covered with a continuous fibrinous-purulent plaque, areas of obvious necrosis were identified.

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JOURNAL OF MEDICAL AND NATURAL SCIENCES Volume: 04 Issue: 06 Oct-Nov 2023 ISSN:2660-4159, 400-403.

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