

СУЧАСНІ ДОСЯГНЕННЯ ФАРМАЦЕВТИЧНОЇ НАУКИ В СТВОРЕННІ ТА СТАНДАРТИЗАЦІЇ ЛІКАРСЬКИХ ЗАСОБІВ І ДІЄТИЧНИХ ДОБАВОК, ЩО МІСТЯТЬ КОМПОНЕНТИ ПРИРОДНОГО ПОХОДЖЕННЯ

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betaine for the prevention of staphylococcal sycosis. The resulting lotion meets pharmaceutical's market demands and meets expectations related to limiting the abuse of antibiotics. Plant extracts can be an effective alternative to classic antibiotics and reduce antibiotic resistance of bacteria [2].



Fig.1. Example image of the inhibition zones of the growth of *P. acnes* PCM 2334 bacteria caused by the activity of the antistaphylococcal ingredients of the lotion

References :

1. Bruner E., czarkowski J. Treatment of staphylococcal sycosis with special reference to antibiotics. *Przegl Dermatol.* 1955 Nov-Dec;5(6):463-7. Polish. PMID: 13297872
2. Ho CS, Wong CTH, Aung TT, Lakshminarayanan R, Mehta JS, Rauz S, McNally A, Kintses B, Peacock SJ, de la Fuente-Nunez C, Hancock REW, Ting DSJ. Antimicrobial resistance: a concise update. *Lancet Microbe.* 2025 Jan;6(1):100947. doi: 10.1016/j.lanmic.2024.07.010. Epub 2024 Sep 18. PMID: 39305919.

HOMEOPATHIC REMEDY FOR THE TREATMENT OF JOINT DISEASES

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Introduction. Homeopathy opens up new horizons in the treatment of diseases of the musculoskeletal system. Its integration into complex therapy allows not only to increase the effectiveness and safety of treatment, but also to significantly reduce its cost.

Aim is to analyse the range of homeopathic remedies used for the treatment of joint pathologies.

Materials and methods. Analysis of the range of homeopathic remedies on the domestic market for the treatment of pathologies of the musculoskeletal system.

Results and their discussion. PrJSC "National Homeopathic Union" (Ukraine) offers «Atro-gran» (active ingredients: 10 g of granules contain *Rhus toxicodendron* 1000CH 20 mg, *Bryonia alba* 200CH 20 mg, *Causticum* 1000CH 20 mg, *Ledum* 200CH 20 mg, *Rhododendron* 50CH 20 mg), which is used in the complex treatment of arthritis, arthrosis, rheumatoid polyarthritis, gout, joint pain, muscle and ligament sprains. «Uro-gran» contains *Berberis* 200CH 20 mg; *Colchicum* 200CH 20 mg; *Acidum oxalicum* 200CH 20 mg; *Acidum phosphoricum*

200CH 20 mg; Colocynthis 200CH 20 is indicated for gout. «Growth-norm» (10 g of granules contain *Calcium carbonicum* 30CH 20 mg, *Calcium carbonicum* 1000CH 20 mg, *Calcium phosphoricum* 1000CH 20 mg, *Calcium fluoricum* 500CH 20 mg, *Silicea* 1000CH 20 mg) regulates mineral metabolism, normalizes bone growth, is a prevention of caries, scoliosis, flat feet, treatment and prevention of rickets, use for bone fractures, bone surgery, osteoporosis, osteomyelitis. «Rhus 50/Arsen 50/Bryonia 50» (composition *Rhus* 50 33 mg, *Arsen* 50 33 mg, *Bryonia* 50 33 mg) is recommended for acute and chronic inflammation, joint stiffness, ischemia, degenerative joint diseases. «Vertebro-gran» (composition: *Rhus toxicodendron* 200 CH, *Pulsatilla* 200 CH, *Agaricus muscarius* 200 CH, *Hypericum* 200 CH, *Petroleum* 200 CH) uses in the complex therapy of diseases of bones, joints and spine: arthritis (including rheumatoid arthritis of I-II degrees of activity), arthrosis, osteochondrosis, spondyloarthritis, polyarthritis, metabolic and dystrophic diseases of the musculoskeletal system. «Osteo-gran» (composition: *Calcium fluoricum* 30CH, *Hekia lava* 30CH, *Berberis* 30CH) normalizes the metabolism of calcium and other bone-forming elements, prevents the formation and growth of exostoses, promotes the resorption of exostoses, improves the trophism of soft tissues around the heel spur, reduces heel pain when walking. The complex homeopathic medicine «Finela 20» (composition: *Nux juglass*, *Arnica*, *Rhus tox.*, *Dulcamara*, *Pulsatilla*, *Phellandrium*, *Ruta*, *Chamomilla*, *Ambra*) is indicated for acute and chronic rheumatism, bone pain, rheumatic carditis.

Conclusions. The conducted studies have demonstrated a sufficient range of domestic homeopathic remedies for the prevention and treatment of joint diseases. The promising integration of these remedies with iatromedicine drugs to increase the effectiveness of therapy.

References:

1. <https://nhu.com.ua/> (access date 18.03.2025)

DETERMINATION OF EXTRACTION CONDITIONS FOR TRITERPENIC COMPOUNDS OF JAPANESE QUINCE (*CHAENOMELES JAPONICA* (THUNB.) LINDL. EX SPACH) FRUIT SAMPLES

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Introduction. The selection of an extractant and extraction conditions is crucial for developing methods to determine plant bioactive compounds. For extracting triterpenic compounds, non-polar solvents like acetone, alcohols (ethanol, methanol), chloroform, and their mixtures, are commonly utilized [1].