

**RESEARCH OF THE ASSORTMENT OF MEDICAL BEDS
FOR REHABILITATION OF PATIENTS**

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Introduction. Special medical beds are very necessary for people who, due to illness, are limited in moving, after serious injuries or postoperative condition, and who also need special care. They differ from ordinary ones by the presence of numerous functions and features.

Aim. The aim of this work is to study the modern range of medical beds for the rehabilitation of patients.

Materials and methods. To study this topic were used informational materials based on a study of literary, Internet sources (official websites of manufacturers, catalogs) and own conclusions.

Results and discussion. Convenience and affordability is the main advantage of these products. A medical bed is a bed with a special design designed to accommodate bedridden patients in the postoperative period, as well as immobile patients during bed rest and sever ill patients.

Multifunctional medical beds can have a variety of functions and additional equipment. All models are differing in the material they are made, number of sections, and transformation options. Only a correctly selected bed for a particular case will help a patient to recover as soon as possible, to improve his condition, and to provide the necessary conditions. They can be divided into beds: functional medical, hospital-based, medical with mechanical drive (adjustable back and foot sections (2, 3 and 4 sections)); mechanical on wheels 2 sections; with electric drive (2, 3 and 4 sections); 4-section medical with recessed bed; resuscitation beds 2-section; complete with an infusion stand, beds - wheelchairs for moving patients 4-section; mechanical and electric medical with a toilet; stationary trauma beds; electric with the function of a mobile chair and a sanitary device; mechanical for home care. The beds can be additionally equipped with side rails, a bedside table, a toilet, a dropper mount, fixing straps, hooks, etc.

Conclusions. With the help of medical beds, it will be much more convenient for a person with limited moving functions or a sever ill patient. Modern mechanisms will provide all necessary for recovery, will make the rehabilitation period less burdensome for the patient and staff. The relevance and need for these products is increase, therefore, inventions in this area are very promising.

PROSPECTS OF APPLICATION OF HAND LOTION WITH TEA TREE OIL AND IT COMMODITY ANALISIS

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Introduction. Coronavirus infection is an acute viral disease caused by coronaviruses. In humans, coronaviruses cause damage to the respiratory tract and gastrointestinal tract. The World Health Organization said that the new coronavirus is deadlier than the common flu, with a mortality rate of 3.4 percent. Seasonal flu kills fewer than 1 percent of those infected. As the number of new cases outside China surges, concerns of a global pandemic are also rising.

Hand hygiene and disinfections is one of the key point to protect yourself and others from the novel coronavirus. If soap and water are not readily available, must be used a hand sanitizer that contains at least 60% alcohol.

Thus development of handrub formulations with antimicrobial, antibacterial and antiviral properties is an actual task of modern pharmacy.

The aim of this thesis is development of handrub formulations with antimicrobial, antibacteria l and antivirat properties with tea tree oil.

Materials and methods. Tea tree oil is a natural plant extract. It can be extracted when the leaves from the plant are distilled with steam in order to obtain the oil that's why it cannot be reproduced, which make it so highly valued for its healing properties.

This essential oil has potent antimicrobial and antiseptic properties which can help combat difficult and unpleasant skin conditions, as a natural alternative to medicines and topical skin care products which may contain harsh chemicals and its a popular choice for treating acne because of its anti-inflammatory and antimicrobial properties. It's thought to calm redness, swelling, and inflammation. It may even help to prevent and reduce acne scars, leaving you with smooth, clear skin.

Tea tree oil contains a number of compounds, including terpinen-4-ol, that have been shown to kill certain bacteria and fungi , it also appears to increase the activity of the white blood cells, which help