

STUDY OF COMPRESSION GARMENT PRODUCTS

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Introduction. Compression therapy has been known since ancient Egypt, when rags or leather were used to create external pressure on swollen feet. After inventing rubber vulcanization, doctors began to use materials that have elasticity, such as elastic bandages. However, a fundamentally new era in the history of compression therapy began when compression knitwear was created.

Aim. Study of compression knitwear products.

Main material of the study. Medicinal knitwear is a type of compression garment. Medical compression knitwear is divided into two types: preventive and therapeutic. Preventive knitwear is marked in dens and usually has a compression of no more than 18 mmHg. It is used to prevent venous insufficiency in healthy people at risk. Also, no special measurements for the selection of such products are required. Medical knitwear is selected by compression class and requires anatomical size selection. The fundamental difference between compression garment and the same elastic bandage is that it has a predetermined pressure programmed by computers in production. For example, therapeutic knitwear of the first grade of compression is usually used for the prevention of varicose veins, for the prevention of venous thrombosis in lying patients, it can be selected without prescription of a doctor, and, the fourth grade of compression is already used in severe cases. Therapeutic compression garments of II, III and IV grades of compression - should be prescribed by a phlebologist. For therapeutic compression garment, it is very important to have the correct pressure distribution. The pressure on the ankles (preferably in the ankle area), by which the compression grades are divided, is taken as 100%. Proper underwear should have 70% of this pressure at the shin level and 40% at the hip level. Such pressure gradient restores proper blood flow in the veins. The most famous standards for the quality of medical knitwear are the following: RAL-GZ-387; Oeko-Tex Standard 100; European Medical Device Directive 93 / 42 / CEE. The most important standard of compression garment quality is called RAL-GZ-387, it is issued by special certification centers in Germany and Switzerland. If a compression linen has this sign on the packaging, you can be sure that the product is of the highest quality and that it has all the necessary healing properties.

Conclusions. In Ukraine there is an acute question about varicose veins, therefore, the research in the field of medical garment allows informing the society about these products.

PHARMACEUTICAL MARKET OF THE MEDICAL ADHESIVE PLASTER

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Introduction. There are more than 500 medical adhesive plaster (patches) as commodity units in the pharmaceutical companies and it can account more than 2% of the total pharmacy range. Medical adhesive plaster intended for external use, has some structural and mechanical properties, able to soften at body temperature and stick to the skin.

The **purpose** was research of the range of medical adhesive plaster on the pharmaceutical market of Ukraine.

Research methods: frequency and descriptive analysis.

Research results. Each adhesive plaster consists of a base with adhesive (glue) is applied. There are following types of the medical plaster according to the base material: fabric (cotton) and non-fabric