

# THE THEORETICAL BASIS FOR THE DEVELOPMENT OF A TECHNICAL PROPOSAL FOR HOSPITAL CLOTHING FOR PATIENTS WITH SKIN DISEASES

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## ABSTRACT:

The article presents the theoretical foundations and criteria for the development of a technical proposal for hospital clothing for patients with skin diseases.

**KEYWORDS:** clinic, hospital, hospital, special clothing, skin diseases, analog model, hygienic requirements, ergonomic requirements, natural fibers, colors, aesthetic indicators, microclimate.

## INTRODUCTION:

It is known that skin diseases are one of the most widespread and difficult to treat diseases of the human body. The widespread growth in the number of skin diseases is largely facilitated by the ecological situation, the growing power-to-weight ratio of industry and everyday life.

## MAIN PART:

According to modern statistics from the Institute of Medicine and Health Statistics in Uzbekistan in 2008, 855,337 patients with skin diseases were registered, while the analysis of statistical data of registered patients with skin diseases from 2000 to 2011 per 1000 people shows a wave-like trend in the development of these diseases (Figure 1).

It is common knowledge that insufficient attention has been paid to the

design of clothing for patients with skin diseases, or scientific research has been carried out mainly on the development of dressings.

1-Table.Statistical data on the incidence of skin diseases from 2007 to 2011 for 1000 people

Years	2007	2008	2009	2010	2011
Indicators	38,4	38,6	54,4	66,9	63,1

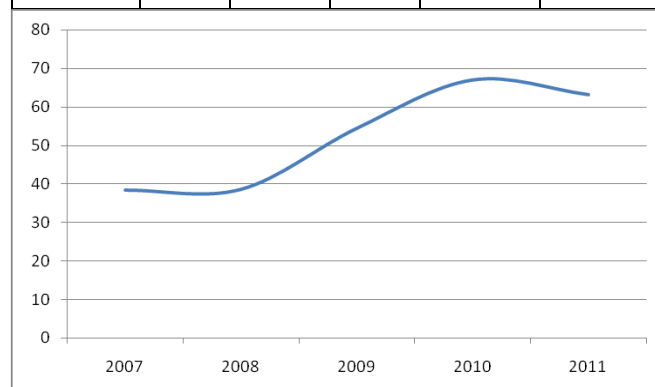


Figure 1. Graphical diagram of statistical data on diseases of the skin and subcutaneous tissue for 2000-2011.

So in the work of Asatryan A.D. [1] scientific research was conducted on the creation of new technological structures, sanitary and hygienic products for the toes and their comprehensive study.

In the work of Belyakova E.A. [2] focuses on research on improving health-improving measures in order to increase the efficiency of workers in textile enterprises.

In the works of Gurova E.A. [3], Savina A.V. [4] and Fayzieva R.R. [5] Research was conducted to develop anti-microbial medical dressings.

From a survey of medical personnel and patients of the dispensary for the skin of venereal diseases in the Andijan region, it became known that today hospital clothing for skin diseases should have constructive elements that allow for medical procedures.

The design should include as few seams as possible to reduce the risk of damage to the skin, the seams should be loose, the fabrics for clothing should be soft, pleasant to the touch, they should be slightly stiff, not irritating, and they should not stick to the body. Clothing must be appropriate for size and height, otherwise it can injure the skin. Fabrics must have good hygiene properties, that is, they must ensure the normal functioning of the body due to the microclimate under the clothing space. Since the hospital clothes worn by patients do not meet the above criteria, the relevance of developing clothes corresponding to them arises.

The problem of creating clothing for patients with skin diseases is currently not well understood. There is no normative and technical documentation that would clearly define the requirements for the design and manufacture of this type of clothing. Analysis of the state of development of clothing for patients with skin diseases showed that at present, practically no research work is being carried out in the field of materials science, design, technology and decoration of clothing. The elimination of the existing shortcomings, in our opinion, is possible only under the condition of qualitative changes in the methodology and organization of the process of designing clothes for patients with skin diseases.

To develop hospital clothing for patients with skin diseases, taking into account the nature of the disease and creating a comfortable state of patients, it is necessary to solve the following tasks:

- Analysis of statistical data and conducting a survey on skin diseases;
- Development of technical requirements for hospital clothing for patients with skin diseases based on the analysis of statistical data and a survey;
- Formation of a rational package of materials for the manufacture of hospital clothing; development of initial information for designing clothing for patients with skin diseases;
- Development of a rational ergonomic design of clothing for patients with skin diseases;
- Development of a rational industrial technology for the manufacture of structural units and assembly units of clothing for patients with skin diseases;
- Comprehensive studies of the physical and mechanical properties of materials recommended for the manufacture of clothing for patients with skin diseases, etc.

In the process of developing a technical proposal, it is planned to use theoretical and experimental studies based on general methodological principles of a systematic approach. The essence of the basis for the formation of the theoretical work of a technical proposal lies in the study of the works of scientists, as well as Internet data. Having studied a number of information in this direction, in this research work, We have taken the proposed methodology of O.I. Krymova as a basis. [6], since it fully meets the criteria for the development of hospital clothing for patients with skin diseases.

In accordance with this methodology, the main criteria for developing a technical proposal are:

1. Analysis of models similar to the designed model.
2. Model development - suggestions.

Consider the criteria for analyzing models similar to the designed hospital clothes, for this we have investigated a wide range of

dissertations, patents, as well as models of analogues of different states. The purpose of the analysis of analogue models is to collect material to identify the main constructive technical, technological, economic, operational properties of hospital clothing for patients with skin diseases, which are necessary to create new models that are superior in terms of indicators to the old ones.

Analog models should be selected according to the following main characteristics:

- name;
- appointment;
- material;
- type of cut,
- gender and age.

To conduct the analysis, it is necessary to select products developed by scientists and practitioners, as well as products used in practice today.

When developing proposal models, it is necessary to create a series of proposals in the form of sketches of new models and their designs based on the results of analogue models.

The number of sketches of model proposals will be carried out in accordance with the terms of reference developed at the initial stages of the study. According to the developed sketches of new models of hospital clothing for patients with skin diseases, it is necessary to give a description of their appearance and fundamental characteristics.

#### **CONCLUSION:**

Thus, the theoretical foundations for the development of a technical proposal serve to collect material to identify the main constructive technical, technological, economic, operational properties of hospital clothing for patients with skin diseases, which are necessary to create new models that are superior to the old ones.

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