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PARTICULARITIES OF DESIGNING ADAPTABLE CLOTHING FOR PREMATURE CHILDREN

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The research focused on aspects of the design method, the stages of obtaining products adapted for premature children. The products were developed in collaboration with doctors who contribute to the care of premature children in the resuscitation and intensive care units, thus obtaining products that impose higher functional requirements.

Key words: *adaptable clothes, premature children, health*

INTRODUCTION

Applying the design method corresponding to the group of carriers reduces the costs: time, materials for experimentation, tests and the term of making the product. Obtaining the outlines of the product's marks goes through several steps:

1. design of the basic pattern (BP) – In the process of construction which solves the main problems of space formation and anthropometric adequacy;

2. designing the model construction (CM) – with the application of the constructive modelling procedures. The elaboration of the experimental sample allows materializing the compositional-constructive solution of a certain model, to achieve the anthropometric adequacy of the construction in static and dynamic.

3. the processing of the construction at the technological level – the technological additions are established and the final patterns of the clothing elements are elaborated – the templates, with the help of which the garments are designed and processed.

In order to obtain the BP and CM construction for the clothing products for premature children, design methods have been applied using segments, given that these children are not subjected to various anthropometric measurements, the design method was chosen which does not require a large number of dimensional features.

PURPOSE

For the design of clothing products for the premature we used a design method according to which the following steps were taken:



1) elaboration of the model sketch analyzing the requirements imposed to this category of carriers; 2) elaboration of the model pattern through the deployment method; 3) obtaining the final outline of the product; 4) elaboration of CM for prematurity groups; 5) elaboration of the product prototype; 6) prototype testing in medical centers; 7) elaboration of the final CM applying the recommendations of the neonatologists from medical centers of the care sections premature children.

RESULTS AND DISCUSSION

The clothes adapted for the premature are created especially for babies with low birth weight, who stay in the neonatal intensive care unit, where special and miniscule clothing is needed. The rate of preterm birth is very high at an average of 12% of all births, and it was difficult for parents to find suitable clothing for their children. The clothes have been designed in collaboration with health professionals and parents, and the unique design is patented.

The clothes are suitable for neonatal intensive care, where the premature are connected to medical equipment. The garment can be completely open on the face and has small holes for the yarns, so the tubes and threads are very light and with minimal disruption to the prehension. It is also a less scary way for parents to dress their little ones. Gloves and socks make clothing even more comfortable and help keep warm.

Health professionals have said that the use of these clothes in the intensive care unit is welcome because it will actually facilitate their work, due to the easy access to medical equipment.

CONCLUSIONS

The clothes are adjusted for 2 preemie sizes and the size of the newborn, and the hats are also in the micro preemie size. The material is 100% cotton and has been specially selected to be as comfortable as possible for the little ones. It is the softest you have ever felt. The fabric is high quality and natural, with soft seams for more sensitive skin. The clothes are washable at hot temperatures, which is ideal for neonatal intensive care. The products are soft cough and represent love and care.

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