## UDC 687.016.6:687.122 **COLOR THERAPY AS A THE STRATEGY OF ENSURING THE PSYCHOLOGICAL COMFORT OF REHABILITATION GARMENTS** O. LEBEDINSKA, S. KULESHOVA, O. LUSCHEVSKA, L. BUKHANTSOVA Khmelnytskyi National University

The study is devoted to an analytical review of the current development in the design of adaptive rehabilitation garments to improve the process of psychological adaptation of people (military and civilians) with traumatic limb injuries. The need to design adaptive clothing for people with lost limbs has been determined to increase a person's independence, create and maintain physical and psychological comfort, and ensure successful rehabilitation [1, 2, 4].

The psychological properties of textiles are of particular importance in improving the process of psychophysiological adaptation of people with traumatic limb injuries. At the same time, the fabric's colour plays a primary role, as does the competent use of harmonious colour combinations [3, 4]. This makes it possible to adjust a person's emotional state and support the level of psychological comfort when designing adaptive clothing [3].

Based on the analysis of the material in the field of the influence of colour on the psychological and physical state of a person [3, 4] and based on the results of marketing research [1-5], recommendations were made for choosing the main and additional colours of adaptive rehabilitation clothing at the hospital and posthospital stages (Table 2).

Table 1. Colours and combinations of colours recommended for the adaptive rehabilitation clothing production (fragment)

Primary/secondary colour of clothing	Description of the therapeutic effect of colour at the hospital and post-hospital stages	Recommended department at the hospital stage
Green, blue, blue / Yellow, orange	Blue and blue are effective for pain in the joints, inflammatory processes, heart failure of the contractile function of the myocardium, increased blood pressure, reduced pain, and sensitivity. Green stabilises blood pressure, normalises the activity of the cardiovascular system, positively affects the nervous system, and eliminates tension in blood vessels. Yellow and orange harmoniously combine with green and blue, weakening blue's side effects (feelings of longing for cold).	Neurological
Blue, green / Yellow	Blue: soothes, has a bactericidal effect, and promotes rapid scarring and wound healing. The combination of blue and yellow colours does not inhibit volitional processes and thinking. Green normalises blood pressure, stabilises emotions, and has a weak pain-relieving effect.	Traumatic

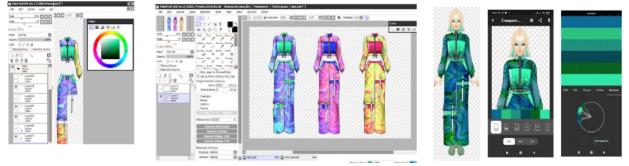


Fig. 1. Visualisation of the process of developing a harmonious project colour image of a clothing model

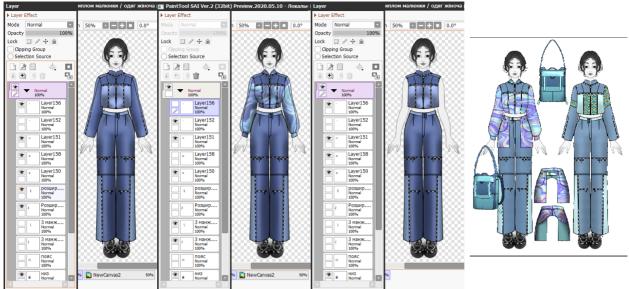


Fig. 2. Experimental samples of prints for adaptive garments

Based on theoretical studies of existing varieties of adaptive products, the most rational structural and technological solutions of the constituent elements of adaptive rehabilitation shoulder and lumbar products were systematised. An information database was formed for their informed choice for people with traumatic limb injuries. Based on research in the harmonisation of colour relationships, considering the emotional and psychological impact on consumers with traumatic limb injuries, a database and recommendations for using harmonious colour combinations in adaptive rehabilitation clothing at the hospital and post-hospital stages have been developed. The new model sketches of adaptive shoulder and waist products in the Sport-casual style for such consumers are proposed, considering everyday use and the needs of aesthetics, ergonomics and socialisation. Further research aims to produce experimental samples of adaptive products according to the provided sketches in the conditions of the Ukrainian brand ARTY Sport.

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