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Design and Development of Hospital Garments for Patients

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Structured Abstract

Background: Hospital clothing is a crucial component of patient care in medical settings. During medical examinations, treatments, and recuperation, patients wear them. Despite their significance, a lot of hospital clothes currently in use are made with little thought given to patient comfort, modesty, and usability. Conventional hospital gowns are frequently thin, loose, and open at the back, which can make patients feel uncomfortable and exposed. The design and development of hospital clothing that incorporates desired inherent characteristics found in earlier research is the main emphasis of this study as a solution to these problems. The goal of this project is to provide hospital clothes that are comfortable, useful, and appropriate for patients with disabilities by utilizing careful design, appropriate materials, and functional pattern development.

Methods: This project uses a design-based method in a focus on the development of patient garments for hospitals. The methodology emphasizes a strong emphasis on the steps involved in identifying requirements for design, producing garment designs, and developing a functioning prototype. The method was selected to enable a methodical and useful investigation of hospital apparel design that puts comfort, usability, and appropriateness for patients with disabilities first.

Results: The final hospital clothing design, which was created by applying appropriate materials and useful components, reflects the findings of this study. Velcro fasteners make it easier to put on and take off the clothing, especially for those with disabilities or restricted movement. Velcro enables for quicker adjustability and less physical strain on patients and medical personnel when compared to traditional tie fastenings. Additionally, the fasteners offer flexibility in fit, allowing the garment to be tailored to the patient's body size and comfort requirements. By permitting partial garment opening without total removal, this feature facilitates medical treatments**.**

Conclusion: In conclusion, the developed hospital garment shows improvements in terms of practicality, comfort, and functionality. The design highlights how hospital apparel can be improved by using suitable materials and practical features.

Keywords: Functional clothing,Hospital garments,Patient comfort, Adaptive clothing, Medical apparel design.

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