

论文题目 康复理疗在轮椅上运用的研究

摘 要

随着科技和时代的进步，人们对于健康的要求也逐渐提高。越来越多的人开始关注医疗技术的应用和研究，尤其是针对患者下肢的康复治疗。为了照顾行动不便的患者，很多家庭付出了大量的时间，金钱还有精力，这就导致照顾行动不便人群成了家庭的负担。为了减轻这种负担，应该设计一款可以自动帮助患者改善身体状况的医疗器械，而在众多针对下肢不便人群的医疗器械当中轮椅是一个非常优秀的例子。它不仅可以帮助行动不便的患者，而且具有一定的空间。本文通过以下方式阐述。

首先了解现代下肢康复理疗器械，从众多的器械当中选择出最适合运用的一种进行研究，为后续的设计做铺垫。其次分析市场中下肢康复理疗产品和轮椅的主要应用方向以及针对人群。最后把调研的结果应用到设计实践之上并完成设计方案。针对设计项目概述、康复理疗应用、以及轮椅整体设计过程进行详细分析。

关键词：康复理疗；改善下肢；轮椅；自动化

Abstract

With the progress of science and technology and the times, people's requirements for health are gradually increasing. More and more people begin to pay attention to the application and research of medical technology, especially the rehabilitation treatment for patients with lower limbs. Many families spend a lot of time, money and energy to care for people with mobility disabilities, which makes it a burden for families to care for people with mobility disabilities. To ease this burden, a medical device that can automatically help patients improve their physical condition should be designed, and wheelchairs are an excellent example of a large number of medical devices for people with lower It not only helps people with mobility problems, but also has There's room. This paper is elaborated in the following ways.

First of all, to understand the modern lower limb rehabilitation physiotherapy equipment, from a large number of instruments selected the most suitable for use of the research, for the subsequent design to do the groundwork. Secondly, it analyzes the main application direction of the lower limb rehabilitation physiotherapy products and wheelchairs in the market and aims at the crowd. Finally, the research results are applied to the design practice and the design scheme is completed. A detailed analysis of the design project overview, rehabilitation physiotherapy application, and the overall design process of wheelchairs is carried out.

Keywords: Rehabilitation physiotherapy; improvement of lower limbs; wheelchair; automation

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