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偏瘫步行康复训练机器人减重支撑系统的研究 [点此下载全文](#)

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摘要:

摘要目的: 提高减重步行训练机器人的临床实用性, 设计一种操作简单、实用性强的下肢康复机器人减重支撑系统。方法: 根据系统的观点, 建立了减重支撑系统静力学模型, 人机工程学、康复医学、机械设计等方面对减重支撑系统进行了整体与局部的设计。结果: 经过样机研制和初步临床实验, 验证了该减重支撑系统设计的可行性。结论: 该减重支撑系统临床应用性设计可为以后下肢康复机器人的广泛应用提供参考和指导。

关键词: [康复机器人](#) [减重支撑系统](#) [步行训练](#) [下肢](#)

Research of the body weight support system for treadmill training robot in hemiplegia rehabilitation [Download Fulltext](#)

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Fund Project:

Abstract:

Abstract Objective: In order to improve the clinical practicability of traditional body weight support treadmill training robot, to design a body weight support(BWS) system featured of simple operation and strong practicality. Method: Based on systemic theory, the statics model was set up. And a global and local design for the BWS system was made from ergonomics, rehabilitation medicine and mechanics. Result: After technical analysis, concrete manufacturing and preliminary clinical experiment the feasibility of BWS system design was validated. Conclusion: The clinical practicability design of this BWS system will be a reference for the wide use of lower rehabilitation robot.

Keywords: [rehabilitation robot](#) [body-weight support system](#) [treadmill training](#) [lower limb](#)

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