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Contents

I. Introduction

The recovering of motor capabilities after stroke events is related by physical rehabilitation training that is a slow, painful and high cost process requiring motivation that is often difficult to achieve. As alternative to the classical approach based on physical therapy

equipment and physiotherapist presence during whole of the rehabilitation process the latest technologies of video games and serious games based the repair (theragames) [1] prove to be an effective Sign in to Continue Reading tool to fight against the discouragement provoked by the monotony of the exercises [2], [3]. Among the theragames, are mentioned the exergames [4] as a form of physical activity that seamlessly blends sensor technologies and video gaming technologies that requires the user to move to fully interact and best experience the game. Referring stroke rehabilitation the outcome measures underline a higher chance of improvement for patients' condition when the training appears to be more challenging, intensive and task-specific motivating [5].

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Figures	~
References	~
Citations	~
Keywords	~
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