

MOTION DETECTION DEVICES TO PROMOTE QUALITY OF LIFE ON ELDERLY

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INTRODUCTION

Considering the importance of quality ageing, the aim of this study is to contribute for the development of knowledge and understanding the role of available motion detection devices in elderly's exercise needs, in the context of elderly's satisfaction and quality of life.

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OBJECTIVES

To research the acceptance of motion detection devices (Kinect, Leap Motion, Nintendo Wii) by elderly people in active ageing activities; to analyze, through observation, inquiry and video recording, elderly's mobility during their interaction with motion detection devices.

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METHODOLOGY

An action research approach is planned to: involve three groups of elderly people (aged 65 or above) in exercise activities of interaction with motion detection devices, allowing multidimensional experiences, including physical exercise; observe, describe and interpret the activities with the elderly; interview participants involved in the process.

CONCLUDING REMARKS

Considering that a deeper knowledge on new and better ways of promoting elderly's quality of life through active ageing will contribute for a paradigm change in elderly care. Since this study is at the beginning, we expect to share our findings on the understanding of the potential of interaction and active digital games for a better quality of life of ageing people.