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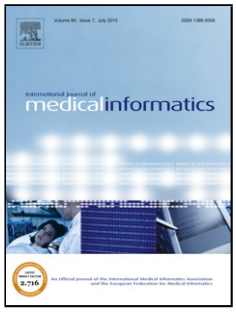

Title: A Computer Vision-based System for Monitoring Vojta Therapy

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HIGHLIGHTS

- A computer vision-based framework is proposed to analyze the patient's body movements during the Vojta therapy using Microsoft Kinect.
- Two novel techniques are proposed to segment the patient's body region from the depth images.
- A multi-dimensional feature vector is computed to classify the correct movements during the therapy.
- To the best of our knowledge, the proposed framework is first of its kind to monitor the movements given to the patient's body in Vojta therapy. It is particularly useful for in home-based Vojta therapy.

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