

Review of: "Turning the Tables on Analysing Turns – Validation of Wearable Sensors in Ballet"

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Potential competing interests: No potential competing interests to declare.

The paper presents the validation of the use of wearable sensors in ballet movements. Previous studies have employed 3D cameras to measure the dancers' movements. The aim of the paper is to demonstrate that the use of wearable sensors is as suitable as the use of cameras.

As the aim of the study is to determine the levels of agreement in timing between both types of measurements, the results are almost perfect.

The paper is very well written and structured. It is very easy to read and presents clearly the objectives and results.

In my opinion, the study is very promising. It could be followed by further types of wearable sensor analysis, adding sensors to wrists, elbows, knees, and ankles, and using not only accelerometers but also gyroscopes in order to model all the dancers' movements and detect their correctness (if possible). Maybe this could be added to the paper as future work if the authors are planning to do this kind of study.