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

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This article explores the use of wearable technology in ballet training, which is an innovative point because there is relatively little research on wearable technology in the performing arts. The study used a three-dimensional motion capture system to compare with wearable sensors and verified the accuracy of wearable sensors in recording ballet dancers' pirouettes en dehors. The method is scientific and rigorous.

The study focused on specific movements in ballet, which may limit the exploration of the wider application of wearable technology in dance training and performance. Although the effectiveness of wearable sensors in time analysis was verified, the comprehensiveness of technical analysis may need to be improved; for example, the biomechanical or physiological data of dancers could be further analyzed. The study involved nine dancers from the Australian Ballet School, and the sample size was relatively small, which may affect the general applicability of the research results.

It is suggested that future research should capture data in more scenarios, such as dancers of different skill levels or different combinations of turns, to develop standardized data, which indicates the limitations of the current study and future research directions.