"Student Satisfaction with the Use of the AI-Powered Socrative Platform for Quality Assessment and Instant Feedback on Anatomical Information of Bones and Joints and Its Role in Guiding Correct Technical Performance in Tennis."

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➢ Abstract:

Objective: This study aimed to determine the level of student satisfaction with using the AI-powered Socrative platform for providing quality assessment and instant feedback on the anatomical information of bones and joints, and its role in guiding correct technical performance in tennis.

Methodology: The experiment was conducted during lectures in the second semester of ٢٠٢٥. A QR code for the Socrative website was displayed via a projector, allowing students to access it on their mobile phones. The lecturer controlled the timing of the questions to align with the flow of the lecture. Questions were presented on the students' phones, with their answers receiving instant feedback. Simultaneously, each student's results were displayed by name on the lecturer's screen.

Results: The findings revealed exceptionally high levels of satisfaction: ease of use was rated between ٨٦٪ and ٩٨٪, and the quality of assessment and feedback was rated between ٩٠٪ and ٩٧٪. The platform was also highly effective in enhancing interaction and understanding of complex anatomical concepts (over ٩٦٪). Furthermore, the results demonstrated the students' ability to effectively apply this knowledge to improve their technical performance in tennis (٩٤٪) and to correct their conceptual understanding of the body's function as an integrated system (٩٧٪).

Recommendations: The study recommends the official adoption of the Socrative platform in faculties of physical education, the provision of training for faculty members on its use, and the encouragement of future research to link theoretical content with practical application.

Keywords: Socrative, Artificial Intelligence, Instant Assessment, Feedback,

Anatomy, Tenni