"The Impact of an AI-Designed HTML Website for Common Racket Sport Injuries on Students Educational and Vocational Aspirations"

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➢ Abstract:

- **The Impact** of an AI-Designed Interactive Website on Racket Sport Injuries on the Educational and Professional Inclinations of Physical Education Students
- **Objective:** This study aimed to determine the impact of an interactive digital website on common racket sport injuries, designed using artificial intelligence and HTML, on the educational and professional inclinations of students. The research questions centered on how graphic design and multimedia could enhance content appeal, the extent of improvement in students' preventive health awareness, and the effect of the immersive educational experience on their future academic and career choices.
- **Methodology:** The research sample consisted of third-year students from the Faculty of Physical Education at Suez Canal University during the ٢٠٢٥ academic year. The research tools included an interactive digital website designed by the AI tool (Genspark) and an electronic questionnaire to measure the impact of the students' experience with the site.
- **Results:** The results indicated that the website achieved exceptional success. The compelling design and multimedia elements significantly increased students' preventive health awareness, with approval ratings exceeding ٩٠٪ across most areas. The experience also had a profound impact on their behaviors, promoting self-directed learning and inspiring them to explore professional pathways in the fields of sports injuries, sports medicine, and physical therapy.
- **Recommendations:** The study recommended generalizing this model to encompass other sports, intentionally integrating career guidance into future research topics, and exploring the role of artificial intelligence in the development of future educational platforms. Furthermore, it advised conducting longitudinal studies to assess the long-term behavioral impact of such interventions.

Keywords: HTML, Artificial Intelligence, Sports Injuries, Racket Sports, Educational Inclinations, Professional Inclinations