Erasmus+ VR-PAIN

NEWSLETTER No 3

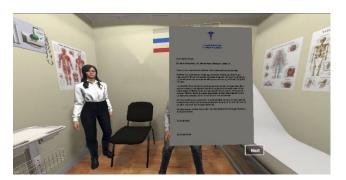
01.07.2024



The VR-PAIN project is progressing well and we are in the exciting phases of finalising the VR case studies (acute low back pain, chronic low back pain, acute post-surgical pain) to support clinical reasoning in physiotherapy pain science education (WP3). We are now piloting them with physiotherapy students in Ireland and the Netherlands

WP2&3: Designing VR environments

- In March 2024, the VR-Pain app for the chronic low back pain was piloted at The University of Applied Sciences Utrecht.
- Feedback highlighted areas for improvement in the VR environment, such as animations and voice. Based on this feedback, we have updated the VR environment to enhance the user experience.

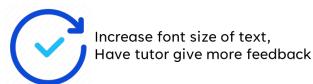




WP4: VR tool intervention & evaluation

In April 2024 the updated VR-PAIN acute low back pain case was piloted in University College Dublin with 30
Stage 4 physiotherapy students. The session provided extensive quantitative and qualitative feedback which we are implementing





- The evaluation was quantified by the questionnaires:
 - Student Satisfaction and Self-Confidence in Learning Scale (SLSC)
 - Most students (91.1%) had high overall satisfaction with the simulation learning experiences.
 - Majority of the students (93.1%) agreed that they had good self-confidence in simulation.
 - ♦ Simulation Design Scale (SDS)
 - Most students (91.3%) mentioned that simulation provided support in their learning.
 - ♦ Self Efficacy: The Physical Therapist Self-Efficacy (PTSE) scale
 - 79.3% of students expressed confidence in key aspects of clinical reasoning and decision-making in physical therapy practice in VR environment.





June 5 - 7, 2024 | Athens, Greece

Dr Brona Fullen (University College Dublin), Professor Harriet Wittink (Utrecht University of Applied Sciences), Konstantinos Tsaramirsis and Marios Alexopoulos (Infosuccess3D) conducted a VR Workshop focusing on enhancing physiotherapy students' clinical reasoning skills in pain management at the European University Information Systems (EUNIS2024) conference.

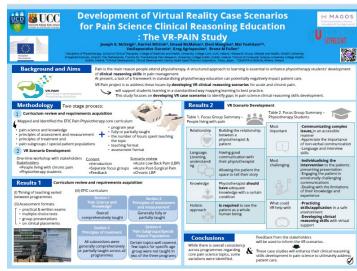




June 26 – 28, 2024 | Amsterdam, The Netherlands

A poster presentation titled "Development of Virtual Reality Case Scenarios for Pain Science Clinical Reasoning Education: The VR-PAIN Study" will be presented at the World Congress on Virtual Rehabilitation 2024.





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