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Abstract:

The Corona-Virus Disease 2019 (COVID-19) pandemic has affected all levels of society and has had a disruptive effect on all aspects of life, including education. Additionally, it puts a strain on the ability of medical educationists to adapt to this unique situation. Clinical mentors and students from all health-related fields are considered potential carriers when considering hospital-based education. On the other hand, the current economic crisis is reviving the need for online learning opportunities and virtual education programs. Most medical schools respond to lockdown by shifting to live online or video-based learning, which is becoming increasingly popular. In the face of a pandemic, maintaining standards in medical education, keeping clinical learning on track, and minimizing assessment disruption are all difficult tasks to accomplish. This new environment requires adaptation in order to better prepare future clinicians for their roles. In this research paper, the authors design an immersive medical learning platform to emphasizes the importance of virtual education and the potential consequences of integrating the immersive experience of extended reality (XR) into medical education for the future of clinical competency learning and assessment in the healthcare education field. This platform can run on PCVR and mobile VR devices. We have designed and developed a medical simulation scenario using the considerations of medical educators or doctors to ensure that the platform we designed can provide an immersive experience to increase the effectiveness of online teaching and learning activities.

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I. Introduction

The Corona-Virus Disease 2019 (COVID-19) outbreak has affected all levels of society and has had a disruptive effect on all aspects of life. [Scheduling Conference Paper](#) The ongoing pandemic is having a tremendous effect on medical education or other relevant medical fields [1].

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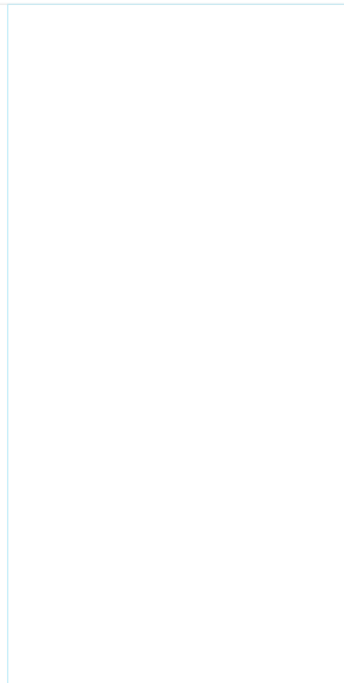


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