Japanese startup launches english version of hands-on medical VR

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World's first live-action medical VR system featuring hand tracking allows for both training and evaluation

Japan-based startup Jolly Good Inc., known for developing and providing medical VR solutions and digital therapeutics VR programs, has developed an English version of their VR medical hands-on tracking system. Known as "VR Hands-On," the software allows students and physicians to engage in medical training and evaluation in a virtual space.

VR Hands-On uses actual, 360 degree scene of medical procedures performed by leading physicians together with a hand tracking sensor to give VR viewers the chance to experience realistic medical situation and procedures. This real-world VR is different from the CG-simulated VR, creating a realistic environment to practice and evaluate at the same time. Using the system that senses both the user's line-of-sight and their hand placement, VR Hands-On is able to evaluate the student's level of proficiency in performing medical procedures, thereby increasing their motivation to continue with VR training.

Dwindling numbers of medical professionals has become a serious problem worldwide. In 2020, the U.S. faced a shortage of 1 million nurses. In Japan, the country is said to be on track to seeing a lack of 2.5 million nurses by 2025. The worse this situation becomes, less opportunities for medical professionals to study, which may lead to a significant drop in medical quality in years to come. In order to address these concerns, Jolly Good feels it is important to expand the availability of effective, high quality training materials within the medical community.