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## Research of Educational Content Development by Medical Equipment Using 3D Data Generation

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### Abstract

Due to the COVID-19 pandemic phenomenon, untact activities are expanding in most parts of society, economy, culture, education and application services based on 3D data generation technology such as virtual reality (VR), augmented reality (AR), and virtual performances. In addition, securing technology for developing customized medical equipment models using 3D data generation technology is becoming more and more important. In this study, we applied the major technologies of the industry 4.0 to medical education based on the theory of medicine and science education, while trying to research the form of collaboration and fusion between medical school and science education. Based on results of this study, we planned to train medical experts with advanced medical technology in accordance with the intelligent information society environment using advanced technology, and to provide opportunities to train domestic and foreign medical education experts.

**Keywords:** 3D data, Industry 4.0, medical education, science education, virtual reality