

Application of Virtual Technology in Medical Functional Experiment Teaching

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【Abstract】

The 4th industrial revolution has come, and virtual technology is one of its representative things. Medical functional experiment teaching with distinct physiological science characteristics is the pioneer of basic medical experiment teaching reform. The application of virtual technology in functional experiment has greatly improved the teaching quality. Multimedia, virtual simulation, virtual reality (VR), augmented reality (AR) and other technologies, combined with human physical experiment system (HPS) and virtual standardized patient (VSP), make functional experiment learning more three-dimensional and interactive. Inquiry learning based on virtual technology promotes the continuous transformation from basic to clinical, and plays a positive role in cultivating students' innovative thinking and cross compound medical talents. Metaverse era of virtual world is inseparable from virtual technology.

Key words: Virtual technology, Medical functional experiment, VR, AR, VSP, Metaverse