Development and Evaluation of a Virtual Reality Simulation Environment for Cardiology Education: A Pilot Study

Chris Jacob DO PGY5, Brilio (Jon) Mojares MD
Department of Cardiology
Ascension Macomb-Oakland Hospital

Background:
Cardiac catheterization uses radiation to project the 3D coronary arteries onto 2D images. Learning different angles and views is critical to learning intervention. This is a source of hazard for trainees, staff, and patients during cardiology education.

Objective:
Can a VR simulation effectively teach catheterization principles?

Methods:
15 IM residents and 1st year cardiology fellows were recruited and completed surveys before and after using simulation.

VR SIMULATION SHOWS PROMISE FOR CARDIAC CATHETERIZATION EDUCATION

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Future Steps