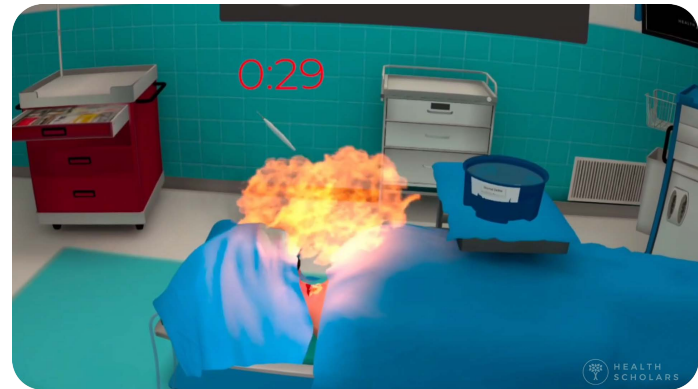HEALTH SCHOLARS

Fire in the Operating Room Virtual Reality

Based on an actual patient scenario, Fire in the Operating Room (OR) is a Virtual Reality (VR) course designed to simulate critical learning principles related to surgical fires. Fire in the OR teaches how to prepare and respond to a potentially devastating adverse patient safety event.

Learning Objectives

◆ Review the fire triad (Ignition Sources, Oxidizers, Fuel Sources)
◆ Identify patients at risk for surgical fire
◆ Safely practice key skills for responding to fires
◆ Understand the root causes of operating room fires

Fire in the OR consists of three course modules:
Tutorial: The tutorial teaches learners to interact in VR and provides opportunity to practice skills required to interact with the environment
Fire Triad: The fire triad is a core concept in understanding and preventing operating room fires. Learners explore the room and identify the elements of the fire triad. A detailed, interactive debriefing is provided to reinforce the concepts
Patient Fire: Learners will practice the skills needed to manage and extinguish a patient fire including proper methods to extinguish the fire and how to correctly remove drapes
After reviewing the actual patient case, learners will debrief about the root causes of the fire to understand how this fire could have been prevented

Capabilities

◆ Realistically models a patient fire in an operating room setting
◆ Users learn and practice the fire triad by identification of Ignition Sources, Fuel Sources and Oxidizers in an operating room
◆ Provides a virtual, zero-risk, environment to practice and learn critical patient fire management skills

◆ Provides learners a readiness score, determined by assessing core competencies throughout the simulation
◆ VR simulation can offer learner 24/7 accessibility which allows for more frequent, independent practice
◆ Interactive debrief that reviews an actual patient surgical fire case to reinforce learning

Schedule a demo today

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