



# P#01

<b>Abstract Title:</b>	<b>Quality Improvement Initiative Using High-Fidelity Simulation In HBO</b>
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<b>Objective:</b>	<ol style="list-style-type: none"><li>1) Discuss High-Fidelity HBO Simulation Training.</li><li>2) Identify how High-Fidelity HBO Simulation Training is effective.</li></ol>
<b>Abstract:</b>	<p><b>Introduction:</b> Simulation training has long been accepted as an effective method of preparing for what is to be expected in many fields – law enforcement, education and healthcare to name a few. As healthcare providers, we often participate in simulation training to obtain certification in many fields. In the field of Hyperbaric Oxygen Therapy, there is a paucity of evidence from anywhere to speak of related to simulation training. One group demonstrated that simulation training allowed for caregivers to be more aware of risk factors and a better understanding related to timely intervention. This preparedness demonstrated a decrease in morbidity and mortality in patients with severe brain injury. We share from our regional referral burn center, an innovative approach to training that contributes in the same way. Our motivation to do this stems from a large staff of clinicians with varying years of experience and the need to approach HBO therapy in some standardized fashion. We have found this training method to contribute to an increased level of confidence and responsiveness to potential critical situations and a diversion from serious outcomes to successful treatments.</p> <p><b>Methods/Designs:</b> Retrospective review of quality and outcomes data from burn education and quality data information.</p> <p><b>Results/Findings:</b> Staff attending the simulation classes made no errors in demonstrating emergent care for a patient in HBO therapy, staff demonstrated with accuracy, the ability to remove the patient and defibrillate if necessary. No sentinel events have been reported since utilizing this form of training.</p> <p><b>Conclusions:</b> HBO Simulation Training has proven to be an effective method for improving staff performance in caring for patients in need of emergent care while in HBO.</p>