

Allegheny General Hospital

PI: Joseph Cillo, DMD, PhD, MPH

Co-Is: David Matteson, MD, MS; Laura Daniel, PhD

*Evaluation of Emergency Office-based outpatient anesthesia Simulation Training on Oral and Maxillofacial Surgery Residents – A longitudinal outcome analysis*

The office-based model of outpatient anesthesia routinely performed in oral and maxillofacial surgery has had a long and proven history of providing safe, accessible, and cost-effective anesthesia to patients undergoing dentalveolar surgery. Emergency Simulation training has become an integral part of the training process for residents. There is a lack of longitudinal outcomes analysis of the effectiveness of these techniques which this study is designed to elucidate. The specific aim of this study will be to evaluate OMFS residents on their performance during anesthesia simulation for common anesthesia emergency situations. The primary research question will be “Does emergency anesthesia simulation training have a significant effect on subjective and objective outcome assessments depending on the previous level of anesthesia experience?” We hypothesis that over the course of a 2-year period of quarterly anesthesia emergency simulations, OMFS residents will show an increased subjective and objective outcome, independent of level of training and experience.