

***Does Facilitated Peer Learning and Coaching (PLC) Improve Learning in the first six weeks of training for Anesthesia Non-Technical Skills.***

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In the first six weeks orientation for residents in anesthesiology, residents concentrate on learning technical skills; however, non-technical skills such as inter-professional communication, clinical decision-making, problem solving, prioritizing, and situational awareness are often not taught in a formalized structure. The goal of this study is to examine the learning of anesthesia non-technical skills (ANTS) during the first six weeks of orientation by using a peer coaching and learning model, to provide a deliberate process for residents to develop non-technical skills. 42 residents will be subjects in this study, consisting of a control group that will undergo routine training and will have a structured debriefing regarding ANTS at regular intervals after the orientation. The remaining (intervention group) will have facilitated Peer learning and coaching sessions per week during the orientation, and undergo a structured debriefing regarding ANTS at regular intervals. All sessions will be audio recorded, and transcribed for qualitative analysis. The themes arising from this analysis will allow us to generate hypotheses for future study. We hope that this will allow us to determine how best to train for ANTS and test the training programs effects on quantitative outcomes.