

AOE 2013 - 2014 Grant Recipient

“Surgical Skills Feedback in the Operating Room: A Novel Web Application to Facilitate Procedural Review and Resident Feedback”

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Abstract

Traditional surgical training has centered on “learning by doing” and reflects the belief that performing a large number of cases leads to surgical competence. However, this “pure discovery” approach may be ineffective, inefficient, and may not ensure adequate breadth of surgical training experience. An evidence-based, alternative strategy, deliberate practice with directed feedback, provides learners with pre-procedural preparation, specific intra-operative direction, and immediate post-procedure feedback. The proposed web-based application provides for both pre-procedural “key” step review and immediate post-procedure feedback. Additionally, there is currently no objective, systematic means for monitoring resident progress with competency acquisition of a surgical procedure’s “key” steps and the procedure overall. The proposed web-based application will be tested to see how it facilitates such monitoring of resident surgical skill development and overall procedural competency. This type monitoring will facilitate required milestone reporting in OB/GYN. We anticipate that with the implementation of this web-based real time feedback tool, residents and faculty will report higher satisfaction with frequency, timeliness, and quality of feedback in the operating room. Additionally, we anticipate that this Web-based tool will provide our residency program with a systematic means for monitoring resident progress with competency acquisition of a surgical procedure’s “key” steps and the procedure overall.