

2026 Davee Foundation Lecture and Resident Research Day

Abstract

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Title: Assessing POCUS Utilization in Response to the Implementation of a POCUS Curriculum in a Family Medicine Residency

Background: Recent ACGME guidelines encourage the incorporation of point-of-care ultrasonography (POCUS) into Family Medicine residency training. A formal needs assessment and subsequent curriculum evaluation were conducted to guide and assess implementation of a structured POCUS curriculum within a Family Medicine residency.

Methods: For data collection, Lake Forest Family Medicine residents completed pre- and post-session surveys assessing confidence in identifying anatomy and pathology, perceived relevance to family medicine clinic, and likelihood of incorporating POCUS into clinic across multiple POCUS applications. The surveys consisted of 5-point Likert scales. A skills gap was calculated as the difference between perceived relevance and perceived confidence. End of semester surveys were also provided to assess changes in resident interest and perceived barriers to POCUS use. POCUS utilization data was collected to identify the number of scans performed by each resident from the butterfly ultrasound application.

Results: With the implementation of a POCUS curriculum, we expect that post-session surveys will demonstrate an increase in learner confidence in identifying anatomy and pathology. Additionally, we expect that there will be an increased interest in incorporating POCUS into future practice. The barriers to implementing POCUS into practice may differ based on year in training as this impacts experience with POCUS and time during appointments.

Conclusion: We hypothesize that a structured training program will augment the confidence of learning to perform POCUS which will increase utilization in clinic. We also hope to identify the learning needs in POCUS training to guide future changes in the curriculum regarding the amount of time and depth covered.