

**2025 Davee Foundation Lecture**

**and Resident Research Day**

**Abstract**

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**Title: A New Musculoskeletal Longitudinal Curriculum at an Urban FQHC-Based Residency Program**

**Background:**Musculoskeletal concerns make up 40% of primary care outpatient visits. The Accreditation Council for Graduate Medical Education (ACGME) has outlined family medicine program requirements for musculoskeletal medicine and sports medicine training, but studies have shown that family medicine residency graduates often do not feel adequately trained to manage the common musculoskeletal conditions. In a CERA study by Wu et al. published in 2022, two hundred eighty-seven program directors were surveyed with a majority not feeling that PGY-1 residents who entered residency had the adequate physical exam skills needed to evaluate common musculoskeletal conditions.

**Methods:**14 family medicine residents were given a baseline survey to assess musculoskeletal clinical knowledge. Residents were led through a year-long longitudinal didactic curriculum incorporating lectures, physical exam workshops, simulation centers, and board review questions. The same 14 residents were given a follow-up survey with similar questions to assess their improvement in musculoskeletal knowledge. The Wilcoxon signed rank test was used to detect improvement in liker scale items before and after the intervention.

**Results and Conclusions:**There were significant differences in resident confidence conducting a precise musculoskeletal medical history and perform physical exam skills needs to evaluate common musculoskeletal and sports medicine conditions. Other items such as resident confidence in recommending initial treatment for common musculoskeletal conditions and showed improvement but did not meet the threshold for statistical significance.