

Evaluation of an Emergency Medicine Ultrasound Workshop at Des Moines University

Kevin Z. Qi DO '26¹, Peter Ma DO¹, Thomas Benzoni DO¹, Clint Hawthorne MD², Todd Sexton DO², Karin Howe DO³, and Kevin A. Carnevale MD¹

¹*Des Moines University, Des Moines, IA;* ²*UnityPoint Health, Des Moines, IA;* ³*MercyOne, Des Moines, IA*

With the increasing prevalence of point-of-care ultrasound (POCUS) in various medical domains, ensuring appropriate training is imperative to fully leverage the benefits of this imaging modality. Des Moines University has conducted an emergency medicine ultrasound (US) workshop for the past four years, catering to physicians, residents, healthcare professionals, and students. This study aimed to evaluate the workshop's effectiveness by assessing the responses of attendees from 2019 to 2023. The methodology involved administering an end-of-course survey at the conclusion of each live workshop to gauge the participants' reactions to the meeting and overall satisfaction. The survey encompassed various aspects of the emergency medicine US workshop, including facilitator quality, teaching methods' efficacy, safety measures understanding, and competence in describing interventions in POCUS for emergency medicine. The survey was evaluated based on Likert scale options. Analysis of the survey data revealed consistently positive responses from emergency medicine students across the mentioned years. All participants rated the facilitators' quality, appropriateness for future practice, and identification of relevant anatomy as either "excellent" or "very good, ". This multi-year analysis substantiates the workshop's consistent effectiveness in meeting and surpassing educational objectives. Des Moines University's emergency medicine ultrasound workshop has demonstrated a substantial positive influence on physicians, residents, healthcare professionals, and students over its four-year duration. This emphasizes the critical role of comprehensive training in fostering proficiency in ultrasound operation, interpretation, and diagnostic decision-making, portraying the workshop as a highly valuable and positively impactful educational experience for all participants.