

AME Workshop

Presented by the Academy for Medical Educators

College of Medicine



Beyond the Written Case: A Randomized Controlled Trial of AI-Powered Virtual Patients in Interprofessional Pain and Opioid Education

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Conversational AI has made it to build interactive virtual patients instructional designers, developers, or session addresses both halves of that technology now makes possible, and demonstrably delivers. We will

authoring from a plain written description, conversational encounters in which learners take their own history, and configurations supporting individual, dyadic, and team-based interprofessional simulation. We then present findings from an NIH-funded randomized controlled trial (NIDA R41DA059281) in which 75 students across seven health professions were randomized to written cases or AI virtual patients following a common pain and opioid didactic. Interactive cases produced significantly greater knowledge gain and stronger applied clinical reasoning. Discussion will address implementation, assessment, and what the evidence has not yet settled.

12:00 p.m.

Microsoft Teams

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Meeting ID: 298 566 972 496 740

Passcode: 5NH2Wm2e

possible for faculty without budgets. This shift: what the what it demonstrate case

SESSION OBJECTIVES

1. Describe the capabilities and current constraints of faculty-authored AI virtual patient platforms, including multi-learner and interprofessional configurations.
2. Interpret randomized trial evidence comparing interactive virtual patients with written cases, distinguishing knowledge acquisition from applied clinical reasoning.
3. Appraise the limitations of the existing evidence base, including engagement confounds and the absence of retention and behavioral outcomes.
4. Identify implementation considerations for integrating virtual patient encounters into existing curricula and competency frameworks.

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Sara Ritchie, MD (AME Planning Committee) has disclosed relationship with Flo Health. Patricia McBurney, MD (AME Planning Committee) has disclosed Honorarium from Aquifer.

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