Communication simulation training in medical education

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Within the physician-patient relationship, physicians acquire personal details about their patients through open communication and respect of patient autonomy. Without this therapeutic alliance, patient confidence and compliance with treatment goals would be impossible to maintain.¹ Studies examining physician-patient communication showed improved patient satisfaction and treatment outcomes among physicians trained to align their personality and communication styles with patients' preferred methods for acquiring and processing information relating to their diagnosis and treatment.^{2,3} As Gillian Clack summarized, "Some individuals prefer being given the straightforward facts in a clear, concise, and practical manner, others prefer factual information in a caring manner, others prefer having the overall picture delivered in a personalized manner, and others prefer the discussion of logical options by a competent practitioner."⁴

In recent years, the importance of improving physician-patient communication has been addressed in the medical literature.⁵ For example, a study at the University of Chicago Hospital's Department of General Internal Medicine found a positive correlation between patient satisfaction and rating of the attending physicians' communication behaviors.³ However, an understanding of personality influences on communication and patient outcomes is excluded in most medical curricula.

In most circumstances, physicians overestimate their communications skills and rely on communication techniques learned during medical school.^{6,7} Specifically, a survey among orthopedic surgeons found that only 21% of patients were satisfied with their surgeon's communication, whereas 75% of orthopedic surgeons believed that they communicated effectively with their patients.⁸ In general, "Basic communication skills in isolation are insufficient to create and sustain a successful therapeutic doctor-patient relationship,

which consists of shared perceptions and feelings regarding the nature of the problem, goals of treatment, and psychosocial support. Appropriate communication integrates both patient- and doctor-centered approaches."⁹ Therefore, a greater focus on fostering physician-patient communication is needed in the modern medical curriculum and residency training.

A growing number of medical programs have adopted simulated exercises to assess the cognition, professionalism, and communication of applicants, medical students, and residents.^{10–13} Traditionally, medical schools have relied on interviews and academic performance to assess an applicant's communication skills, motivation, integrity, and maturity.¹³ However, interviews are limited in their scope and representation of a student's or medical professional's cognitive and psychological response to stressful and challenging clinical scenarios.¹³ In response, medical schools are screening applicants using individual behavioral simulations, group tasks, interviews, and questionnaires.¹³ For example, the Tel-Aviv University Sackler School of Medicine's simulated interview process provided "challenging encounters between the candidate and a standardized patient, where the candidate roleplayed an interlocutor in a medical or non-medical context that did not require prior medical expertise, such as in a situation involving an angry 'patient' whom the candidate was required to calm down."¹³

Overall, the changes in the admissions process convey the importance of interpersonal skills and further research to implement simulations throughout medical training.¹³ Beyond medical school admissions, simulated exercises may assess medical students and residents in their ability to adjust their communication style based on a patient's personality.¹³ Furthermore, clinical simulations would provide medical professionals greater awareness of their limitations in communicating and coping with stressful clinical scenarios.¹⁰

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In summary, communication simulations may provide future physicians with improved communication skills and the ability to empathize with their future patients.

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