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When AI meets XR, Where Stands Humanities in Medical Education



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Abstract

The convergence of artificial intelligence and extended reality technologies is transforming the landscape of medical education. These innovations would change the fundamentals of design of medical curricula, acquisition of medical knowledge, the training of clinical skills, tools of assessment, and the practice of medicine. While artificial intelligence-driven extended reality platforms are expectedly to increasingly shape medical education, critical questions arise regarding the place of humanities in medical education. Medical humanities, which encompasses disciplines in arts, philosophy, and social sciences, have been foundational in cultivating empathetic and ethical clinicians with skills in critical thinking and communication. Nonetheless, amid the fifth industrial revolution that is moving towards increasing human-machine collaborations, the risk of deprioritizing the nuanced, human-centred skills essential for medical practice is genuine. How to ensure that future medical doctors are not only technologically adept but remain empathetic and ethically grounded represents a challenge