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Medical Education Disrupted by Technology, What is Gained and Potentially Lost

Abstract:

Medical Education and Professional Training is increasingly being assisted, mediated and augmented by technology, throughout the continuum of undergraduate, through postgraduate to continuing medical education and professional development settings. This mirrors the impact of technology and digitalisation disrupting professional practice in other fields. The aim of this plenary presentation will be to critically examine what is gained, and potentially lost by the use of technology in medical education, through the use of case studies, and an examination of scholarship in this area. A review of basic principles underpinning traditional face to face education and training, the use of technology in medical education, and optimal ways to blend face to face with technology enhanced learning will be made. An examination of “newer” technologies used in medical education, including Virtual and Augmented Reality, Artificial Intelligence, and the role of learning analytics will also be covered. To conclude, one approach to maximise the strengths and minimise the weaknesses of traditional education blended with technology enhanced learning will be proposed.