



The Effect of Clinical Decision-Making in Paramedic Education with Script Concordance Testing

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Abstract

Clinical decision-making is a critical component of paramedic education, requiring the integration of theoretical knowledge with practical skills. Script Concordance Testing (SCT) is an innovative assessment method designed to evaluate clinical reasoning and decision-making under conditions of uncertainty. This research article explores the impact of SCT on paramedic education, emphasizing its potential to enhance clinical decision-making skills. The study examines current literature, presents empirical findings from recent studies, and discusses the implications for paramedic training programs.

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implementation. Developing valid and reliable SCT scenarios requires significant time and expertise. Additionally, the availability of expert panels to evaluate responses can be a limiting factor. Further research is needed to refine SCT methodologies and explore their long-term impact on clinical practice [13]. Additionally, the need for expert panels to evaluate student responses poses a logistical challenge. Recruiting and maintaining a diverse and representative panel of experts can be difficult, especially in smaller educational institutions or those with limited access to a wide network of practicing paramedics and clinicians. Ensuring the consistency and reliability of expert judgments is also crucial for the validity of SCT scores [14].

Another limitation is the potential variability in students' familiarity with the SCT format. As SCT is still relatively novel in