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Implementation of Automated Information System to Increase Administration Efficiency of Objective Structured Clinical Examinations

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Abstract

Objective Structured Clinical Examinations (OSCEs) require substantial investments in terms of human and material resources. Thus, this Quality Enhancement Project aims to increase the efficiency of OSCE administration through the automation of online access to information.

In this project, an OSCE website was established to substantially improve management efficiency, information automation was achieved by implementing a module for automatic score conversion and aggregation, and an examiner training plan was designed and implemented.

Through various quality improvement activities, the preparation time for OSCE was reduced from 184 hours to 132 hours, paper consumption was reduced from 1,224 sheets to 696 sheets, and the number of examiners was increased from 26 to 31. Thus, the overall objective of the Quality Enhancement Project was achieved.

In the future, the project should be continued, file management and backup processes should be enhanced by managing the files on the OSCE website and cloud storage platforms through a dedicated account, and data should be regularly backed up to ensure data integrity.

Keywords: objective structured clinical examination (OSCE), automating, online

運用資訊自動化提升OSCE管理效率

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摘要

客觀結構式臨床技能測驗(objective structured clinical examination, OSCE)需大量人力物力支持，本品質改善專案意在藉由資訊自動化、線上化，提升OSCE管理效率。活動中藉由建置OSCE網站、運用資訊自動化概念設定評分自動換算彙整模組、擬定並執行考官培訓計畫，大幅改善管理效率。品質改善活動後籌備時間自184小時減少至132小時，紙張耗費量從1224張紙減少至696張紙，考官成員數量自26位增加至31位。整體而言，品質改善專案的執行達成預定的目標，未來除持續執行之外，也將加強文件管理與備份，以專用帳號管理OSCE網站與雲端硬碟文件，定期下載備份資料以確保資料完整性。

關鍵詞：客觀結構式臨床技能測驗、自動化、線上化